AUTHOR INDEX VOLUMES 201-250



Aarkrog, A. 228(1990)163

Aaron, J.J. 205(1988)273, 223(1989)395, 227(1989)181, 227

(1989)325, 236(1990)257 Abbas, N.M. 235(1990)375

Abbink Spaink, H. 241(1990)83, 241(1990)95

Abdel-Latif, M.S. 221(1989)11 Abdullah, M. 233(1990)171

Abe, H. 215(1988)155, 219(1989)213, 225(1989)89, 239(1990)73

Abe, S. 226(1989)137

Abu Nader, P. 248(1991)285

Abu Nader, P.R. 249(1991)395

Ache, H.J. 211(1988)317

Adachi, T. 218(1989)77

Adams, F. 216(1989)25, 218(1989)185, 226(1989)43, 228(1990)

77

Adams, J. 246(1991)187

Adeeyinwo, C.E. 214(1988)339

Adeniyi, W.K. 207(1988)311

Adlercreutz, P. 219(1989)27

Adriaens, A. 226(1989)43

Advis, J.P. 249(1991)247

Afkhami, A. 232(1990)351

Afonso, A.M. 202(1987)207

Aggarwal, S.K. 224(1989)83

Agrawal, C. 237(1990)491

Agraz, A. 223(1989)361

Agterdenbos, J. 222(1989)159, 232(1990)405, 233(1990)321, 237(1990)189, 244(1991)129

Agudo, M. 239(1990)211

Aguilar, M. 215(1988)283

Ahern, A.M. 246(1991)75

Ahlgrén, M. 217(1989)353

Ahmad, A.S. 208(1988)321

Ahmad, K. 246(1991)315

Ahmed, M.S. 247(1991)235

Aime, S. 233(1990)85

Aishima, T. 243(1991)293, 248(1991)41

Aizawa, M. 250(1991)249

Ajayi, F.O. 206(1988)339

Akahoshi, R. 244(1991)161

Akama, Y. 207(1988)367, 230(1990)175, 230(1990)179

Akatsuka, K. 202(1987)223

Akeson, M. 225(1989)233

Akiba, M. 214(1988)455

Alak, A.M. 206(1988)333, 217(1989)171

Alarcón, O.M. 214(1988)421

Alarie, J.P. 229(1990)169, 236(1990)237

Albasini, A. 244(1991)145

Al-Bazi, S.J. 245(1991)225

Albericio, F. 219(1989)161

Alberti, K.G.M.M. 237(1990)99

Aldaz, A. 201(1987)295

Alder, J.F. 217(1989)289, 222(1989)63, 226(1989)145, 246 (1991)259, 248(1991)337

Alegret, S. 215(1988)283, 222(1989)373, 231(1990)53, 231 (1990)305

Aleixo, L.M. 222(1989)379

Alemany, M.T. 247(1991)19

Alexander, P.W. 208(1988)173, 225(1989)105

Alexandratos, S.D. 209(1988)363, 225(1989)323

Alfthan, K. 217(1989)43

Alieva, E. 240(1990)219

Alimonti, A. 248(1991)241

Al Joboury, M.I. 243(1991)239

Al-Kindy, S.M.Z. 227(1989)145, 227(1989)155

Allan, J.R. 240(1990)97

Allen, T. 208(1988)343

Aller, A.J. 247(1991)19

Alley, E.G. 240(1990)41

Allison, J. 208(1988)99

Allmaier, G.M. 223(1989)349, 241(1990)241, 241(1990)321

Almendral Parra, M.J. 220(1989)43

Almestrand, L. 209(1988)339

Almon, A.C. 249(1991)447

Almuaibed, A.M. 214(1988)161, 218(1989)1, 221(1989)337, 245(1991)115

Alonso, J. 219(1989)345, 222(1989)373, 231(1990)53, 234

(1990)221, 241(1990)31 Alonso Mateos, A. 220(1989)43, 247(1991)61

Alper, J.S. 220(1989)171

Al-Sowdani, K.H. 201(1987)339

Al-Tamrah, S.A. 202(1987)247, 209(1988)309

Altmann, R.S. 232(1990)225

Alvarez-Buillia, J. 205(1988)117

Alvarez-Coque, M.C.G. 208(1988)1

Alwarthan, A.A. 205(1988)261

Al-Zamil, I.Z. 207(1988)355, 209(1988)275

Al-Zamil, Z.A. 233(1990)307, 239(1990)161

Amano, H. 240(1991)371

Amato, A. 235(1990)465

Ameyama, M. 207(1988)77

Amine, A. 242(1991)91

Aminot, A. 248(1991)277 Amorim, M.T.S. 245(1991)271

Anagnostopoulou, P.I. 204(1988)271

Ancelin, H. 240(1990)29, 240(1990)81

Anderson, F.P. 227(1989)135

Anderson, H.A. 232(1990)3

Ando, T. 222(1989)121

Andrawes, F. 236(1990)221

Andrews, A.R.J. 227(1989)65

Aneva, Z. 211(1988)311, 236(1990)385

Ang, K.P. 221(1989)205

Angellotti, M.A. 205(1988)229

Anton, S. 230(1990)145

Antonova, K. 240(1990)219

Antranikian, G. 238(1990)211, 249(1991)113

Antuch, W. 239(1990)301

Anwar, J. 207(1988)259

Anzai, J.-I. 248(1991)323

Aoki, I. 218(1989)111

Aoyagi, M. 214(1988)229

Appelqvist, R. 206(1988)49, 216(1989)299, 235(1990)265, 246 (1991)283

Appriou, P. 209(1988)249, 232(1990)331

Apte, S.C. 212(1988)1, 235(1990)287

Aragaki, M. 246(1991)405

Arai, Y. 239(1990)107

Arakawa, S. 214(1988)415

Araujo, A.N. 234(1990)67

Archambault, J. 249(1991)231

Arcos, J. 236(1990)299

Arefyev, A.A. 237(1990)285

Arenas, A. 229(1990)153

Arenas, R.V. 246(1991)113

Arends, J. 247(1991)255

Arhunmwunde, S.O. 226(1989)337

Ariel, M. 228(1990)117, 234(1990)161, 234(1990)475

Aries, F. 232(1990)245

Arikawa, Y. 229(1990)191

Arima, S. 237(1990)201

Ariño, C. 206(1988)65

Arita, A. 229(1990)121

Armanino, C. 202(1987)175

Armstrong, D.W. 208(1988)275, 234(1990)365, 244(1991)21

Arndal, A. 216(1989)243

Arnezeder, Ch. 225(1989)129

Arnold, M.A. 227(1989)387, 231(1990)231

Arpadjan, S. 236(1990)385, 244(1991)123

Arruda, M.A.Z. 206(1988)253, 234(1990)153

Asai, M. 236(1990)245, 245(1991)145

Asakura, K. 214(1988)439

Asano, K.G. 225(1989)25

Asano, Y. 211(1988)213, 213(1988)69

Ash, P.W. 216(1989)147

Ashkenazi, P. 248(1991)289

Ashworth, D.C. 213(1988)251

Ashworth, R.H. 213(1988)23

Asperger, L. 201(1987)281

Asplund, J. 206(1988)137

Assaad, H.N. 208(1988)321

Assamoi, A. 204(1988)77

Astruc, A. 228(1990)129

Astruc, M. 228(1990)129

Asuero, A.G. 246(1991)429

Atakol, O. 249(1991)427

Ataman, O.Y. 248(1991)163

Athavale, S.V. 237(1990)325

Atkinson, G.H. 218(1989)101

Atrashkevich, V.V. 203(1987)43

Atsuya, I. 202(1987)223

Attanasio, D. 204(1988)145

Au, L.S. 230(1990)203

Aubeck, R. 238(1990)405

Auer, W. 237(1990)451

Auffret, N. 207(1988)47

Augustyniak, W. 207(1988)325

Aures, J. 223(1989)247

Avaca, L.A. 239(1990)87

Aw, T.-C. 221(1989)205, 234(1990)321

Awaad, M.F. 234(1990)339

Axelsson, J.P. 213(1988)151

Babalievski, F.V. 201(1987)241

Bacci, M. 207(1988)343

Bachas, L.G. 208(1988)43, 222(1989)253, 241(1990)119, 246

(1991)103

Bächmann, K. 243(1991)191

Bäckström, K. 232(1990)301

Badocchi, S. 223(1989)293

Bador, R. 219(1989)67

Baeck, N. 204(1988)63

Baeyens, W. 228(1990)93, 229(1990)281, 234(1990)417

Baeyens, W.R.G. 205(1988)43, 227(1989)203, 234(1990)187

Baeza Baeza, J.J. 223(1989)419, 237(1990)473

Baga, A.N. 204(1988)349

Bagheri, H. 233(1990)303

Bahr, A. 236(1990)273

Bahr, U. 241(1990)175

Bailey, F. 249(1991)35

Bailey, M.P. 201(1987)335 Baillie, G.M. 240(1990)97

Baláž, Š. 235(1990)195

Balcerzak, J. 237(1990)127, 249(1991)433

Balcerzak, M. 242(1991)185

Balconi, M.L. 214(1988)367, 234(1990)167

Baldini, F. 207(1988)343

Baldo, M.-A. 219(1989)9, 219(1989)19, 238(1990)357

Baldwin, R.P. 206(1988)85, 244(1991)169

Balea Otero, T. 247(1991)295

Ballarin, B. 244(1991)29

Ballew, R.M. 245(1991)121

Balogh, M.P. 221(1989)167

Baltes, U. 243(1991)311

Bangov, I.P. 209(1988)29

Baranski, A.S. 239(1990)35

Barbeni, M. 235(1990)215

Barber, R. 219(1989)345

Barbosa, J. 244(1991)183

Barceló, D. 234(1990)119, 243(1991)259

Bardeletti, G. 222(1989)83

Barino, L. 235(1990)229

Barker, T.Q. 225(1989)53, 243(1991)157

Barlíková, A. 247(1991)83

Barnett, N.W. 216(1989)147, 238(1990)171, 249(1991)539

Barone III, G.C. 248(1991)399

Baroni, U. 225(1989)159

Bartroli, J. 219(1989)345, 222(1989)373, 231(1990)53, 234 (1990)67, 234(1990)221, 241(1990)31

Bärtschi, A. 217(1989)359

Barzanallana, R.M. 229(1990)153

Bassedas, M. 219(1989)161

Basu, A.K. 231(1990)133

Basu, D. 249(1991)349 Basu, S. 248(1991)507

Dasu, 5. 240(1991)507

Batchelor, M.J. 221(1989)289 Bateman, K.P. 246(1991)43

Battilotti, M. 221(1989)157

Bauer, J. 210(1988)123, 235(1990)155

Bauer, T. 241(1990)261

Baumer, L. 235(1990)209

Bax, D. 232(1990)405, 233(1990)321, 244(1991)129

Baxter, D.C. 225(1989)175, 236(1990)377, 249(1991)545

Baxter, M. 245(1991)83

Bayer, E. 230(1990)171

Bayliff, S.W. 224(1989)39

Baylocq, D. 201(1987)145

Bayne, W.F. 227(1989)189

Beauciare, C. 238(1990)291

Beceiro-Gonzalez, E. 236(1990)475

Becerro Dominguez, F. 209(1988)205

Beck, A. 240(1990)211, 240(1990)215

Beckstead, H.D. 240(1991)287

Bediye, S. 213(1988)177

Beehler, C.L. 201(1987)83

Beenackers, A.A.C.M. 238(1990)129

Beenakkers, A.M.Th. 248(1991)553

Behringer, C. 233(1990)41

Beinrohr, E. 230(1990)163

Bélanger, D. 228(1990)311

Bélanger, J.M.R. 241(1990)227

Bell, M. 229(1990)157

Bellomo, M.L. 206(1988)289

Belov, S.P. 240(1990)167

Bender, J.C. 201(1987)51

Bendl, J. 206(1988)173

Benet, C. 225(1989)69

Benga, J. 204(1988)169 Bengraine, K. 223(1989)283

Bennett, J.A. 218(1989)85

Bennett, M.A. 242(1991)43

Benson, R.L. 238(1990)177

Benthin, S. 237(1990)165, 247(1991)45

Bentley, A.E. 222(1989)63

Bera, S.CH. 220(1989)225

Bergamin F°, H. 214(1988)397, 226(1989)129, 234(1990)207, 245(1991)211

Berger, J. 232(1990)409

Bergeron, M. 246(1991)365

Berggren, P.-O. 206(1988)357

Bergkvist, H. 231(1990)93

Berglund, B. 236(1990)399

Bergman, J.J. 227(1989)57, 227(1989)109

Bergveld, P. 229(1990)71, 230(1990)59, 230(1990)67, 231 (1990)41, 233(1990)49, 237(1990)71, 238(1990)323, 242

(1991)249, 248(1991)307

Berman, S.S. 207(1988)291

Bermejo, E. 244(1991)49

Bermejo-Barrera, A. 236(1990)475, 239(1990)321

Bermejo-Barrera, P. 219(1989)79, 231(1990)321, 236(1990)475

Bermejo-Martinez, F. 219(1989)79

Bermond, A. 223(1989)283

Bernhart, G. 220(1989)207

Berrettoni, M. 219(1989)153

Berridge, J.C. 223(1989)149

Berrueta, L.A. 243(1991)115

Bershtein, I.Ya. 222(1989)335

Berthod, A. 208(1988)1, 209(1988)111, 231(1990)289, 244

(1991)21, 244(1991)215

Berthoud, T. 220(1989)235

Bertolo, P.L. 239(1990)203

Bertsch, W. 236(1990)183

Berzas Nevado, J.J. 233(1990)289

Besada, V. 223(1989)361, 239(1990)301

Best, D.J. 213(1988)113

Betti, A. 212(1988)165

Betti, M. 209(1988)339, 244(1991)15

Bettinelli, M. 225(1989)159

Betts, T.A. 246(1991)55

Beug-Deeb, M.U.D. 218(1989)85

Beugelsdijk, T. 215(1988)337

Beuvery, E.C. 249(1991)257

Beyer, L. 228(1990)229

Bhagavathy, V. 242(1991)215

Bhatti, M.S. 238(1990)427

Bi, H. 247(1991)211

Bianco, P. 234(1990)471

Biasioli, S. 223(1989)269

Biegler, L.T. 210(1988)97

Bier, D.M. 247(1991)255

Bier, M.E. 231(1990)175

Biggart, E. 227(1989)73

Bighi, C. 204(1988)189 Bila, N. 221(1989)325

Bilewicz, R. 201(1987)11

Billard, V. 249(1991)367

Binder, P. 249(1991)367

Binger, M. 233(1990)191

Birch, B.J. 229(1990)63, 231(1990)203

Birnie, J. 240(1990)97

Biron, M.-P. 222(1989)235

Bisagni, E. 227(1989)319

Bissery, V. 201(1987)145

Biziuk, M. 237(1990)1

Bjarnason, A. 241(1990)187

Blain, S. 232(1990)331

Blair, T.L. 222(1989)253

Blais, J. 211(1988)333

Blanco, C.C. 222(1989)177

Blanco, M. 224(1989)23, 226(1989)271, 230(1990)221, 233

(1990)159, 234(1990)395

Blanco, P.T. 202(1987)141

Blanco González, E. 212(1988)181, 225(1989)339, 234(1990)127

Blankenstein, G. 248(1991)371

Blase, S. 238(1990)55

Blauw, J.S. 202(1987)35, 234(1990)285

Blet, V. 219(1989)309, 238(1990)117

Blevins, D.D. 236(1990)157

Blöcker, G. 213(1988)221

Blödorn, W. 233(1990)243 Bloom, N. 208(1988)151

Blum, L.J. 226(1989)331, 235(1990)243, 243(1991)149

Blyshak, L.A. 232(1990)239

Bo, Z. 235(1990)461

Boaretto, A. 230(1990)29

Bobbitt, D.R. 221(1989)239

Bodalbhai, L. 231(1990)191, 243(1991)33

Boelens, H.F.M. 228(1990)209

Boens, N. 205(1988)61

Boersma, W.J.A. 213(1988)187

Bogacki, M.B. 206(1988)215

Bögel, H. 206(1988)233

Boguslavsky, L.I. 248(1991)155

Bohanec, S. 210(1988)63

Böhmer, R.G. 215(1988)111, 215(1988)317

Boisvert, R. 246(1991)365

Boitieux, J.-L. 222(1989)235

Bombi, G.G. 206(1988)289, 238(1990)279

Bombick, D. 208(1988)99

Bomer, J.G. 248(1991)307

Bonakdar, M. 224(1989)305

Bond, A.M. 204(1988)151, 208(1988)195, 216(1989)177, 235

(1990)279, 237(1990)345

Bönicke, I.A. 223(1989)411

Boniforti, R. 232(1990)337

Bonilla, M. 237(1990)181

Bontempelli, G. 208(1988)207, 211(1988)325, 221(1989)27

Booij, A.S. 240(1991)383

Booksh, K. 239(1990)53

Borgarello, M. 234(1990)167

Borie, G. 241(1990)265

Borrull, F. 242(1990)25

Bortolus, P. 234(1990)353

Bos, A. 233(1990)31

Bos, M. 201(1987)117, 211(1988)61, 214(1988)77, 216(1989)307, 222(1989)151, 223(1989)387, 226(1989)171, 229(1990)71, 231(1990)59, 233(1990)31, 233(1990)251, 237(1990)71, 239 (1990)245, 247(1991)97, 248(1991)429

Boscher, Y. 238(1990)149

Both-Miedema, R. 205(1988)175

Botros, N. 208(1988)247

Boutonnat, M. 218(1989)101

Boutron, C.F. 236(1990)391

Bouzid, B. 207(1988)337, 211(1988)155, 211(1988)175

Bovara, R. 205(1988)229, 227(1989)29

Bowers, M.L. 243(1991)43, 248(1991)127

Bowyer, J.R. 236(1990)237

Boyette, S.E. 206(1988)75

Bracey, L. 231(1990)203

Brajter-Toth, A. 202(1987)167, 206(1988)75, 231(1990)191, 237(1990)305, 243(1991)33, 246(1991)315

Brand, U. 226(1989)87, 238(1990)201

Brandes, L. 249(1991)87

Brandes, W. 249(1991)25

Branica, M. 212(1988)349, 221(1989)279, 238(1990)393, 247 (1991)89

Brassard, E. 228(1990)311

Bräuchle, C. 238(1990)405

Braun, M. 220(1989)207

Braun, R.D. 221(1989)223

Brazier, J.L. 247(1991)249

Brekke, T. 223(1989)123

Breman, B.B. 238(1990)129

Bremle, G. 249(1991)43

Brennan, J.D. 237(1990)253

Brenton, A.G. 247(1991)161, 247(1991)177, 247(1991)187

Bresee, R.R. 225(1989)185

Breyer, P. 201(1987)23, 201(1987)33

Březina, M. 244(1991)15

Bridge, T.P. 223(1989)175

Bright, F.V. 237(1990)485, 246(1991)55

Brilis, G.M. 229(1990)163

Brindle, I.D. 229(1990)239

Brinkman, U.A.Th. 227(1989)173, 233(1990)181, 236(1990)165

Britz, D. 239(1990)87

Brizgys, M.V. 228(1990)107

Brochot, J.A. 224(1989)329

Brock, I.H. 246(1991)23

Brodbelt, J.S. 206(1988)239

Brodowski, M. 214(1988)121

Brolin, S.E. 206(1988)357

Brooks, R.R. 204(1988)333, 217(1989)165, 228(1990)139, 232 (1990)317, 246(1991)359

Brooks, S.H. 209(1988)111, 229(1990)35

Brown, E.G. 247(1991)187

Brown, R.S. 237(1990)253, 248(1991)541

Brown, S.D. 225(1989)37, 225(1989)53

Brown, S.M. 218(1989)231

Bruce, T.A. 249(1991)413

Bruckenstein, S. 237(1990)421

Bruins, C.H.P. 212(1988)95

Brumley, W.C. 229(1990)163

Bruni, P. 240(1991)347

Bruno, A.E. 234(1990)259

Bubernak, J. 215(1988)337

Buch, R.M. 243(1991)157

Buch-Rasmussen, T. 231(1990)165, 237(1990)405

Buck, C.F. 217(1989)203

Buck, R.S. 209(1988)345

Buckner, S.W. 246(1990)199

Budantsev, A.Yu. 249(1991)71

Buffle, J. 232(1990)107, 232(1990)209, 232(1990)225, 237 (1990)429, 249(1991)419

Bugaevsky, A.A. 249(1991)353

Bugner, E. 223(1989)223

Bukowsky, H. 224(1989)47

Bulska, E. 249(1991)545

Bult, A. 202(1987)35, 204(1988)29, 239(1990)171, 248(1991)473, 248(1991)483

Bunce, R. 249(1991)263

Bunker, V.W. 201(1987)331

Buøen, S. 211(1988)223, 219(1989)141

Burau, R.G. 220(1989)83, 225(1989)233

Burguera, J.L. 214(1988)421, 214(1988)429, 234(1990)253, 238 (1990)417

Burguera, M. 214(1988)421, 214(1988)429, 234(1990)253, 238 (1990)417

Burlina, A. 223(1989)293

Burlitch, J.M. 233(1990)229

Burnison, B.K. 232(1990)107

Burns, D.T. 204(1988)359, 204(1988)365, 211(1988)305, 217 (1989)177, 217(1989)183, 218(1989)93, 219(1989)323, 225 (1989)123, 225(1989)241, 225(1989)449, 243(1991)187, 244 (1991)269

Burton, J.D. 245(1991)21

Busch, K.L. 218(1989)217, 218(1989)231

Bussière, L. 224(1989)73

Bussink, R.W. 232(1990)405

Bustin, R. 202(1987)251

Buszewski, B. 208(1988)263

Buydens, L.M.C. 235(1990)27

Bye, R. 208(1988)347

Byers, D.A. 205(1988)89

Byhan, H.-G. 223(1989)247

Byrne, A.R. 204(1988)63

Bysouth, S.R. 214(1988)329

Cabella, P. 235(1990)215

Cabral, M.F. 245(1991)271

Cabrera, C. 246(1991)375

Cai, R. 222(1989)205

Cai, S. 242(1991)11

Cai, X. 212(1988)43

Çais, M. 248(1991)289

Cakrt, M. 230(1990)163

Caletka, R. 229(1990)127

Calle, J.L. 221(1989)173

Callegaro, L. 249(1991)291

Callejón Mochón, M. 224(1989)109, 244(1991)89

Calokerinos, A.C. 202(1987)241, 204(1988)285, 225(1989)359, 236(1990)463, 239(1990)195

Calull, M. 242(1990)25

Cámara, C. 230(1990)35, 237(1990)181, 243(1991)121, 247 (1991)7

Camões, M.F.G.F.C. 239(1990)129 Campanella, L. 221(1989)157

Campi, G.L. 224(1989)225, 224(1989)275, 224(1989)363

Campiglia, A.D. 208(1988)21, 225(1989)415, 231(1990)289, 236(1990)257, 244(1991)215

Canada, R.G. 205(1988)77 Cañas, P. 201(1987)295

Cañete, F. 211(1988)287, 214(1988)375, 224(1989)127, 224 (1989)169

Canham, J.S. 209(1988)157, 214(1988)385

Caniato, R. 232(1990)253 Canizaro, P.C. 249(1991)169

Cano Pavón, J.M. 217(1989)363, 224(1989)153, 241(1990)153

Capilla, C. 212(1988)309

Capomacchia, A.C. 205(1988)207, 227(1989)37

Cappelletti, E.M. 232(1990)253

Carabias Martínez, R. 209(1988)205, 228(1990)317

Carbonell, V. 238(1990)417 Carchon, H. 219(1989)247

Cardoso De Faria, L. 245(1991)183

Cardwell, T.J. 204(1988)329, 214(1988)359, 214(1988)433, 219 (1989)135, 221(1989)139, 234(1990)409

Carlisle, G.O. 240(1991)389 Carmona, M. 218(1989)313 Carnahan, J.W. 233(1990)149

Carnero, C. 205(1988)139, 205(1988)149

Caroli, S. 248(1991)241 Carpenter, R. 209(1988)135

Carpenter, S.E. 246(1991)85, 249(1991)305

Carpentier, R. 249(1991)55 Carr, P.W. 215(1988)131 Carr, R.H. 202(1987)251 Carr-Brion, K.G. 238(1990)11

Carrea, G. 205(1988)229, 227(1989)29

Carrillo, F. 243(1991)121 Carrion, N. 231(1990)283

Casassas, E. 206(1988)65, 206(1988)189, 223(1989)257, 229 (1990)93, 248(1991)447

Cascione, M.L. 227(1989)29

Casella, I.G. 243(1991)61, 248(1991)117

Casey, H. 227(1989)379 Cassell, D.K. 240(1990)41 Cassidy, J. 234(1990)479 Castaño, A. 234(1990)193 Castro, A.R. 241(1990)153

Cataldi, T.R.I. 207(1988)183, 248(1991)117 Catena, G.C. 237(1990)485, 246(1991)55

Cattrall, R.W. 204(1988)329, 208(1988)283, 214(1988)359, 214 (1988)433, 219(1989)135, 221(1989)139

Causà, M. 233(1990)85 Causserand, C. 231(1990)309 Cave, M.R. 223(1989)403 Ceccon, L. 248(1991)51 Cecil, T.L. 250(1991)37

Čėnas, N.K. 243(1991)167 Cenderelli, G. 207(1988)161

Centrich, F. 234(1990)269 Cepeda-Saez, A. 211(1988)333, 227(1989)319

Cerdà, V. 228(1990)293, 233(1990)159, 239(1990)151, 249 (1991)513

Cerdá Martín, V. 242(1991)143

Černá, J. 209(1988)357 Cerny, R.L. 250(1991)105 Cetnar, J. 236(1990)417 Cevolani, M. 244(1991)145

Cha, G.S. 208(1988)31, 237(1990)115

Chabala, J.M. 241(1990)299 Chacon, A. 240(1991)395

Chakrabarti, A.K. 206(1988)345, 217(1989)363

Chakraborti, D. 228(1990)77 Chakraborty, D. 218(1989)341 Chalk, P.M. 245(1991)49 Chalom J. 223(1989)309 Chan, L.H. 232(1990)323

Chan, W.H. 218(1989)157, 230(1990)203, 246(1991)443

Chana, B.S. 246(1991)351 Chang, H. 248(1991)85 Chang, S.-M. 249(1991)323

Chang, W.-B. 237(1990)497, 248(1991)589

Chang, X. 245(1991)13 Chao, W.-F. 215(1988)259 Chapin, T.P. 249(1991)469 Chapoteau, E. 241(1990)127 Charlier, J. 220(1989)187 Chartrand, J. 249(1991)55 Chatterjee, A. 248(1991)507 Chattopadhyay, N. 231(1990)133

Chau, L.-K. 217(1989)31 Chaudhri, S.A. 233(1990)165 Chaudron, H. 247(1991)249 Chaumeil, H. 232(1990)331 Chauret, N. 249(1991)231 Chauvet, J.-M. 235(1990)299 Chauvin, Y. 240(1991)299 Chaves, S. 245(1991)271 Chayama, K. 248(1991)511 Chen, C.-Y. 243(1991)9

Chen, D. 221(1989)345, 222(1989)205, 226(1989)221, 230 (1990)137, 234(1990)345, 235(1990)337, 245(1991)49

Chen, G. 240(1991)353 Chen, G.N. 236(1990)495 Chen, H. 208(1988)337 Chen, L. 201(1987)117 Chen, Q. 228(1990)163 Chen, S. 227(1989)165 Chen, S.-H. 246(1991)65 Chen, T.K. 232(1990)397 Cheng, H.N. 242(1991)43 Cheng, J.-K. 237(1990)311 Cheng, W.-M. 221(1989)355 Cheng, W.-T. 234(1990)487

Cheng, W.-M. 221(1989)353 Cheng, W.-T. 234(1990)487 Cheng, Y.F. 229(1990)295 Cherpin, H. 247(1991)249 Chi, H. 235(1990)273

Chi, H.-L. 235(1990)195 Chiarelli, M.P. 228(1990)169 Chicharro, M. 244(1991)49

Childers-Peterson, T. 202(1987)167

Chimeg, J. 243(1991)81

Chimpalee, D. 204(1988)365, 211(1988)305, 243(1991)187 Chimpalee, N. 217(1989)177, 217(1989)183, 225(1989)123, 225 (1989)241, 225(1989)449, 243(1991)187 Chiswell, B. 249(1991)519 Chiu, C.M.L. 218(1989)157

Choi, W.K. 230(1990)203

Chou, T.-C. 222(1989)263

Chow, A. 238(1990)423

Chow, P.Y.T. 246(1991)23

Christenhusz, A. 201(1987)117 Christensen, L.H. 249(1991)123

Christian, G.D. 204(1988)7, 214(1988)197, 224(1989)373, 234

(1990)31, 249(1991)77, 249(1991)451

Christie, B.D. 216(1989)57

Christie, O.H.J. 223(1989)45

Chu, F. 227(1989)73

Chuanjie, G. 210(1988)169

Chung, H.K. 243(1991)89

Chung, S. 249(1991)77

Chute, G.S. 234(1990)445

Ci, Y.-X. 212(1988)285, 233(1990)299, 237(1990)497, 248

(1991)589

Cinza, A. 239(1990)301

Cittanova, N. 227(1989)129

Claassen, E. 213(1988)187

Claes, P. 249(1991)227

Clapp, P.A. 218(1989)331, 243(1991)217

Clark, B.R. 215(1988)13

Clarke, J.R.P. 238(1990)3

Clarke, R.T. 227(1989)379

Cleland, A. 228(1990)145

Clerc, J.-T. 206(1988)161, 206(1988)173, 235(1990)93

Cleven, R.F.M.J. 232(1990)141

Clinch, J.R. 214(1988)401, 227(1989)379

Clint, J.H. 240(1990)81

Clodfelter, D.K. 249(1991)201

Coale, K.H. 249(1991)469

Cobben, P.L.H.M. 248(1991)307

Cocho De Juan, J.A. 231(1990)321

Cocker, J. 246(1991)351

Coco-Martin, J.M. 249(1991)257

Coello, J. 201(1987)325, 224(1989)23, 226(1989)271, 230(1990)

221, 233(1990)159, 234(1990)395

Coene, J. 227(1989)303

Coenegracht, P.M.J. 209(1988)1, 212(1988)95

Colapicchioni, C. 221(1989)157

Collins, H.H. 228(1990)155

Colmsjö, A.L. 208(1988)183

Comisarow, M.B. 241(1990)187

Compaño, R. 227(1989)219

Comtat, M. 208(1988)295, 231(1990)309

Connor, M. 224(1989)65

Connor, M.P. 229(1990)139

Contado, M.J. 246(1991)187

Conterno, M. 235(1990)215

Conti, C. 240(1991)347

Contolini, N. 217(1989)171

Cook, E.J. 213(1988)131

Cook, R.L. 217(1989)101, 226(1989)153

Cooks, R.G. 206(1988)239, 215(1988)223, 228(1990)1, 231

(1990)175

Cooper, J.M. 237(1990)99, 245(1991)57

Copin, A. 208(1988)331

Coppi, S. 212(1988)165

Corbisier, V. 234(1990)187

Corcoran, C.A. 224(1989)315

Cordatore, M. 221(1989)157

Cordero, A. 239(1990)203

Cordfunke, E.H.P. 240(1991)383

Cornelis, R. 211(1988)231

Corona, G. 249(1991)291

Cortes, H.J. 236(1990)173

Cortina, J.L. 234(1990)119

Cosano, J.S. 221(1989)173

Ćosović, B. 232(1990)131

Costa, J. 245(1991)271

Costa García, A. 233(1990)281

Costantino, L. 244(1991)145

Cote, G. 248(1991)235

Cotter, R.J. 247(1991)283

Coulet, P.R. 222(1989)83, 226(1989)331, 231(1990)27, 235

(1990)243, 239(1990)1, 243(1991)149

Coury, Jr., L.A. 237(1990)141

Covington, A.K. 223(1989)441, 239(1990)129

Cowan, D. 249(1991)195

Cowan, F.J. 236(1990)423

Cowan, J.A. 241(1990)281

Craig, A.G. 249(1991)215

Craig, P.J. 248(1991)563

Crane, M. 238(1990)171

Creager, S.E. 246(1991)233 Creaser, C.S. 233(1990)303

Creme, S. 205(1988)97

Crisp, P.T. 244(1991)197

Crisponi, G. 222(1989)359, 239(1990)157

Cristante, M. 229(1990)267

Cristofol Alcaraz, E. 224(1989)153

Cromer, M. 212(1988)105

Cronenberg, C. 242(1991)275

Cronholm, T. 247(1991)277 Crouch, S.R. 224(1989)263

Croucher, M.C. 236(1990)423

Crowder, G.A. 240(1991)317, 240(1991)389

Cruces Blanco, C. 205(1988)139, 205(1988)149

Cruz Moreno, M. 230(1990)35

Csöregi, E. 249(1991)43, 250(1991)203

Cukrowski, I. 225(1989)391

Cullen, D.C. 231(1990)33

Cullen, P. 209(1988)299

Cummins, N.H.O. 236(1990)423

Curran, D.J. 206(1988)385, 247(1991)67

Cutter, G.A. 235(1990)419

Cyfert, M. 226(1989)351

Czech, B.P. 241(1990)127

Czichon, P. 204(1988)213

Dabek-Zlotorzynska, E. 246(1991)315

Daems, D. 205(1988)61

Dahlgaard, H. 228(1990)163

Dalangin, R.R. 246(1991)309

Dale, J. 211(1988)223

Dalgarno, B.G. 218(1989)93

Dallinga, J.W. 241(1990)219

Daly, P. 232(1990)149

Damerau, W. 218(1989)179

Damodaran, A.D. 242(1991)215

Dams, R. 211(1988)91, 220(1989)257, 226(1989)193, 236(1990)

371, 242(1991)203, 244(1991)115, 244(1991)259, 247(1991) 133

Dan, S.-L. 209(1988)213

Daniele, S. 208(1988)207, 211(1988)325, 219(1989)9, 219 (1989)19, 238(1990)357, 244(1991)29

Daniels, I. 213(1988)207 Daniels, R.S. 248(1991)575

Danielsson, L.-G. 201(1987)325, 232(1990)301

Danna, A.M. 249(1991)405 Danzer, J. 249(1991)137

Danzer, K. 201(1987)289, 223(1989)247, 242(1991)5, 243 (1991)311

Dao, N.Q. 215(1988)211 Das, A.K. 218(1989)341

Das, H.A. 222(1989)159, 233(1990)181 Das, J. 219(1989)339, 242(1991)107

Dasgupta, P.K. 214(1988)107, 215(1988)277, 220(1989)55, 221 (1989)189, 226(1989)165, 226(1989)255, 243(1991)207

Datta, P.K. 220(1989)225

Daunert, S. 208(1988)43, 222(1989)253

Dauphin, J.-F. 235(1990)393 Davidson, V.L. 249(1991)235 Davies, M.C. 225(1989)369 Davies, S.H.R. 248(1991)225 Davis, A.A. 238(1990)45

Davis, D.M. 232(1990)261 Davis, J.M. 246(1991)161 Davison, W. 223(1989)441

Dawson, B.S.W. 236(1990)423 D'Costa, E.J. 243(1991)173

De Alwis, W.U. 241(1990)105 De Andrade, J.F. 217(1989)187

De Bang, M. 249(1991)77

De Beer, D. 213(1988)259, 219(1989)351, 242(1991)275 De Benzo, Z.A. 224(1989)123, 239(1990)229, 231(1990)283

De Boever, J. 205(1988)215, 227(1989)119

Debrauwer, L. 241(1990)265 De Brucker, N. 220(1989)93 De Bruijn, E.A. 247(1991)229 De Bruijn, H.E. 238(1990)317

Decambox, P. 220(1989)235, 238(1990)291

Dechaud, H. 219(1989)67 Deen, C. 213(1988)187 Deen, D. 205(1988)239 DeFillipo, K.A. 249(1991)155 De Groot, G. 217(1989)149

Deguchi, T. 214(1988)259

Dehairs, F. 222(1989)55

Deiana, S. 226(1989)315, 248(1991)301

De Jong, A.P.J.M. 237(1990)61 De Jong, G.J. 236(1990)165 De Jong, H.G. 229(1990)93 De Kesel, A. 204(1988)63

Del Pilar Da Silva De Campos, Ma. 234(1990)175

De la Calle-Guntiñas, M.B. 247(1991)7

De la Guardia, M. 224(1989)123, 234(1990)253, 238(1990)417, 242(1991)123

De La Guardia Cirugeda, M. 235(1990)405

Delannoy, A. 207(1988)85 De Lauzon, S. 227(1989)129 Delaye, F. 223(1989)395

Del Castillo, B. 205(1988)105, 205(1988)117, 205(1988)129, 227(1989)297, 245(1991)217

Deleu, R. 208(1988)331

Delgado, R. 245(1991)271

Delgado Zamarreño, M. 225(1989)247.

Deligeorgiev, T. 244(1991)123 De Ligny, C.L. 222(1989)159

De Lurdes Gonçalves, M. 226(1989)229, 226(1989)239

Del Valle, M. 219(1989)345, 231(1990)53, 234(1990)67, 241 (1990)31

Delves, H.T. 201(1987)331 De Maine, M.M. 235(1990)7

De Maine, P.A.D. 210(1988)73, 235(1990)7

De Márquez, O. 215(1988)307 Demas, J.N. 245(1991)121 De Matteis, F. 241(1990)233

Demertzis, M.A. 209(1988)303, 227(1989)211

De Moerloose, P. 205(1988)43 Demuth, H.-U. 238(1990)331

Den Boef, G. 211(1988)99, 216(1989)289

Den Hartigh, J. 233(1990)251 De Niet, G. 216(1989)307 Denis, M. 226(1989)121 Deorkar, N.V. 245(1991)27

De Pablo, J. 212(1988)123, 215(1988)283, 234(1990)119

DePaoli, D.W. 215(1988)13 De Pasquale, M.P. 249(1991)291 De P. Emerenciano, V. 236(1990)501

Derde, M.P. 223(1989)19 Dermeik, S. 238(1990)389 De Robertis, A. 222(1989)385 De Ruig, W.G. 223(1989)277 Desage, M. 247(1991)249

Desai, H.B. 219(1989)313, 231(1990)133

De Schrijver, G. 205(1988)239 De Schryver, F.C. 205(1988)61 Desideri, D. 220(1989)103 Desikan, N.R. 237(1990)325

Desimoni, E. 243(1991)61, 248(1991)117 De Stefano, C. 222(1989)385, 233(1990)85 De Taxis Du Poet, P. 235(1990)255 Dettwiler, B. 213(1988)11, 238(1990)101

Dever, M. 225(1989)185

Devey, P.J. 219(1989)335 Devi, S. 225(1989)331, 236(1990)469

De Vitre, R.R. 237(1990)429, 249(1991)419 Dewaele, C. 234(1989)75

Dewaele, J. 220(1989)93, 247(1991)133

De Wit, J.C.M. 232(1990)189 D'Haese, F. 205(1988)239 Dheandhanoo, S. 245(1991)267 Diamond, D. 204(1988)223

Díaz García, M.E. 212(1988)235, 234(1990)181, 234(1990)233, 238(1990)297

Dietrich, F. 224(1989)47 Dietz, M.L. 238(1990)263 Dijkstra, G. 223(1989)277 Di Martino, A. 249(1991)291 Dimmock, N.A. 202(1987)49

Dimov, N. 201(1987)207, 201(1987)217, 212(1988)317

Ding, J. 231(1990)157 Ding, T. 234(1990)247

Ditzler, M.A. 228(1990)235, 243(1991)103

Dix, K.D. 236(1990)43

Dmitriev, S.N. 236(1990)483, 243(1991)81, 248(1991)579

Doblhoff-Dier, O. 222(1989)247

Dobos, S. 240(1990)211, 240(1990)215

Doe, H. 237(1990)237

Doelling, V.W. 241(1990)315

Doerffel, K. 238(1990)55

Doherty, S.J. 218(1989)217

Domenech, J. 222(1989)373

Dominguez, E. 213(1988)139, 225(1989)263, 249(1991)145,

250(1991)203

Dondi, F. 212(1988)165

Dong, Q. 210(1988)181

Dong, S. 212(1988)341, 232(1990)367

Donovan, M.P. 247(1991)187

Doolan, K.J. 202(1987)61

Doornbos, D.A. 212(1988)95, 235(1990)41

Dorbon, M. 238(1990)149

Doretti, L. 224(1989)119, 244(1991)9

Dorizzi, R. 223(1989)269, 223(1989)293

Dorsey, J.G. 201(1987)67, 209(1988)111, 229(1990)35

Dorsey, T. 232(1990)11

Dos Santos, M. 226(1989)229, 226(1989)239

Dossi, C. 217(1989)197

Doumenq, P. 242(1991)137

Downs, M.E.A. 249(1991)1

Dowrey, A.E. 250(1991)131

Drabløs, F. 201(1987)225

Dremel, B.A.A. 225(1989)293, 234(1990)107, 248(1991)351

Drescher, A. 219(1989)273

Dressler, J. 240(1991)363

Drevenkar, V. 206(1988)299

Drews, W. 231(1990)265

Driebergen, R.J. 233(1990)251, 234(1990)285

Drungiliene, A. 243(1991)287

Du, P. 247(1991)211

Duan, J. 234(1990)403

Dubinskii, R.A. 212(1988)303

Ducauze, C.J. 223(1989)283

Dudar, E. 247(1991)141

Duffy, P. 211(1988)205, 213(1988)267

Dugger, D.L. 248(1991)127

Duhart, B.T. 208(1988)343

Dulac, J.M. 243(1991)103

Dulak, J.G. 245(1991)267

Dullau, T. 225(1989)253, 249(1991)87

Dumont, J. 224(1989)73

Dumschat, C. 243(1991)179

Dunemann, L. 221(1989)19, 230(1990)1

Dunkić, G. 229(1990)221

Dunn, I.J. 213(1988)11

Duo, R. 201(1987)295

Durand, G. 243(1991)259

Durand, J.P. 238(1990)149

Durig, J.R. 240(1990)19, 240(1990)41

Durliat, H. 231(1990)309

D'Urso, E.M. 239(1990)1

Durst, R.A. 228(1990)107

Dütsch, S. 206(1988)173

Dutta, P.K. 249(1991)209

Dutton, G.G.S. 241(1990)187

Duvault-Herrera, Y. 222(1989)373, 231(1990)53

Dvořák, Z. 208(1988)307

Dykert, J. 249(1991)215

Dyne, D. 246(1991)351

Džudović, R.M. 202(1987)231

Ebdon, L. 209(1988)135, 216(1989)147, 217(1989)157, 225

(1989)339, 237(1990)291

Ebert, B. 218(1989)179, 243(1991)221

Eckert, J.M. 222(1989)169, 236(1990)357

Eddowes, M.J. 209(1988)57

Edgemond, W.S. 243(1991)207

Edkins, T.J. 246(1991)151

Edmonds, C.G. 241(1990)167

Edmonds, T.E. 207(1988)67, 212(1988)23, 212(1988)331

Eenink, R.G. 238(1990)317

Efstathiou, C.E. 204(1988)201, 224(1989)159

Egan, C.B. 248(1991)229

Egberink, R.J.M. 248(1991)307

Eggermont, E. 219(1989)247

Egila, J.N. 250(1991)71

Egorov, A.M. 227(1989)287, 237(1990)285

Egsgaard, H. 226(1989)345

Egyed, O. 240(1990)225

Eibelhuber, A. 223(1989)95

Eickhoff, T. 240(1990)229

Einarsrud, M.-A. 240(1990)61

Einax, J. 242(1991)5, 243(1991)311 Ekins, R. 227(1989)73

El-Anwar, F. 248(1991)583

El-Bardicy, M.G. 208(1988)321

Elderfield, H. 218(1989)265

El-Hag, I.H. 226(1989)305, 230(1990)151

El Jabri, J. 227(1989)129

El-Khateeb, S.Z. 208(1988)321

Ellen, G. 237(1990)61

El-Nady, A.-B.M. 201(1987)289

Elomaa, M. 248(1991)271

Elsheimer, H.N. 239(1990)145

Elsholz, O. 214(1988)121

El Walily, A.F. 248(1991)583

Emnéus, J. 234(1989)97, 250(1991)203

Emons, H. 228(1990)55

Endo, M. 226(1989)137

Engasser, J.M. 213(1988)231

Engelsma, M. 228(1990)209

Engh, S.A. 224(1989)211

Englbrecht, U. 249(1991)137 Enke, C.G. 211(1988)83, 215(1988)169

Enkelaar-Willemsen, C. 205(1988)175, 205(1988)243

Ensafi, A.A. 244(1991)231

Ephraim, J.H. 232(1990)171

Eremin, S.A. 227(1989)287, 237(1990)285

Erickson, B.C. 218(1989)303

Ermakov, A.N. 227(1989)287

Espinosa Mansilla, A. 233(1990)289

Esteban, M. 206(1988)65, 229(1990)93 Estela, J.M. 239(1990)151, 249(1991)513

Esteve Romero, J.S. 223(1989)327, 235(1990)317, 242(1991)143

Etemad, S. 240(1991)273

Evagorou, K.E. 224(1989)339

Evans, A.M. 247(1991)161, 247(1991)177

Evans, C.E. 246(1991)65

Evans, D.F. 218(1989)331, 243(1991)217

Evenschor, M. 240(1990)173

Evmiridis, N.P. 227(1989)211

Evtimova, B. 207(1988)373, 232(1990)393

Ezquerra, J. 205(1988)117

Fachinger, C. 233(1990)207

Fadeeva, V.I. 219(1989)201

Fagioli, F. 204(1988)189

Fahidy, T.Z. 232(1990)401

Fainshtein, G. 218(1989)335

Fairman, W.D. 238(1990)263

Faisca, A.M.M.M. 215(1988)111, 215(1988)317

Falk, M. 240(1990)69

Fan, S. 241(1990)15

Fang, J. 238(1990)399

Fang, Y. 244(1991)165

Fang, Z. 214(1988)41, 241(1990)15, 245(1991)7

Fardy, J.J. 207(1988)103

Faridnia, M.H. 245(1991)151

Farinotti, R. 217(1989)11, 223(1989)309

Farkas, M. 206(1988)161, 206(1988)173

Farran, A. 212(1988)123, 234(1990)119

Farrell, Jr., J.T. 246(1991)227

Favretto, L. 201(1987)253, 220(1989)135, 248(1991)51

Favretto, L.G. 201(1987)253, 220(1989)135, 248(1991)51

Fedurco, M. 248(1991)109

Feinberg, M. 223(1989)223

Felinger, A. 248(1991)441

Felix-Slinn, T. 237(1990)299

Fell, A.F. 223(1989)175, 234(1989)89

Fenge, C. 249(1991)113

Fennessey, P.V. 241(1990)249

Feola, M. 249(1991)169

Fernández, L.A. 243(1991)115

Fernández Alvarez, J.M. 233(1990)281

Fernández-Band, B. 229(1990)177

Fernández de la Campa, M.R. 212(1988)235, 234(1990)233,

238(1990)297

Fernández Muiño, M.A. 247(1991)121

Fernandez-Romero, J.M. 219(1989)191

Fernando, L.M. 238(1990)251

Ferra, M.I.A. 239(1990)129

Ferraroli, R. 214(1988)367, 234(1990)167

Ferreira, J.R. 206(1988)253

Ferrier, R.C. 232(1990)3

Ferriol, M. 209(1988)321, 231(1990)161

Fidanza, J. 227(1989)325

Fiechter, A. 213(1988)199

Figuerola, E. 215(1988)283

Filella, M. 232(1990)209, 232(1990)225

Filippini, R. 232(1990)253

Fina, L.J. 240(1991)353

Fink, D. 233(1990)101

Fischer, P.M. 241(1990)299

Fish, J.R. 249(1991)35

Fite, W.L. 245(1991)267

Fitzgerald, W.F. 208(1988)151

Fitzpatrick, C.P. 224(1989)243

Flagler, M. 227(1989)251

Flanagan, M.T. 213(1988)23

Flanjak, J. 207(1988)283

Fligier, J. 204(1988)213

Flockhart, B.D. 218(1989)93

Florence, T.M. 209(1988)97, 228(1990)327, 237(1990)177

Flórián, K. 201(1987)289

Florido, A. 215(1988)283

Flossdorf, J. 218(1989)291

Fogarasi, G. 240(1990)159

Fojón, D. 230(1990)97

Foley, J.P. 231(1990)237, 246(1991)113

Fombon, J.J. 211(1988)205

Fontain, E. 210(1988)123, 235(1990)155

Forman, L.W. 249(1991)101

Forsberg, P. 238(1990)223

Forshaw, J.A. 223(1989)403

Forteza, R. 233(1990)159

Forteza Coll, R. 242(1991)143

Fortier, G. 228(1990)311

Foulds, N.C. 229(1990)57

Fournier, F. 241(1990)265

Fowler, K. 207(1988)251

Fox, C.G. 248(1991)337

Fraga-Trillo, L.M. 239(1990)321

Fraile, R. 231(1990)283

Francis, C.G. 219(1989)45

Franco, M.A. 233(1990)143

Frankenberger, A. 246(1991)359

Frankenberger Jr., W.T. 217(1989)383

Franklin, T.C. 207(1988)311, 229(1990)291

Frater, Y. 241(1990)233 Fraune, E. 249(1991)113

Fraústo Da Silva, J.J.R. 245(1991)271

Frech, W. 225(1989)175, 236(1990)377, 249(1991)545

Freeman, M.K. 241(1990)119

Freeman, P.R. 234(1990)409

Frei, R.W. 233(1990)181

Freiser, B.S. 225(1989)11

Freiser, H. 227(1989)397, 242(1991)191, 245(1991)225, 248

(1991)315

Freitag, R. 249(1991)113

Freitas, M.C. 219(1989)317, 223(1989)287

Freney, J.R. 245(1991)49

Frenzel, W. 214(1988)121, 233(1990)77

Frew, J.E. 224(1989)39

Friedrich, H.B. 222(1989)221

Friehmelt, V. 201(1987)135

Fries, T.L. 239(1990)145 Frigge, Ch. 242(1991)99

Fritsche, U. 244(1991)179

Fritz, J.S. 204(1988)87, 207(1988)137, 215(1988)311, 229

(1990)101, 236(1990)43

Fröbe, Z. 206(1988)299

Fromageat, A. 234(1990)141

Frömer, R. 243(1991)179

Fu, C. 230(1990)23

Fudagawa, N. 209(1988)281

Fuger, J. 220(1989)187, 221(1989)325

Fuh, M.-R.S. 224(1989)235

Fujita, Y. 217(1989)193, 239(1990)23

Fujiwake, S. 223(1989)299

Fujiwara, K. 212(1988)245, 246(1991)413

Fujiwara, T. 221(1989)249

Fukami, T. 230(1990)17

Fukasawa, T. 217(1989)23

Fukuda, R. 204(1988)113

Fukuhara, G. 244(1991)239

Fukushima, M. 244(1991)281

Fukuyama, S. 201(1987)357

Fukuyama, T. 236(1990)281

Funatsu, K. 220(1989)155

Furlan, M. 236(1990)501

Furlonger, J. 209(1988)299

Fürst, A. 229(1990)17, 233(1990)213, 248(1991)415

Furton, K.G. 236(1990)99, 246(1991)171, 248(1991)263

Furuichi, R. 244(1991)275

Furusawa, M. 215(1988)347, 218(1989)161, 224(1989)133, 236

(1990)505, 239(1990)307, 243(1991)183, 244(1991)105, 248

(1991)367

Fusi, A. 217(1989)197

Gachanja, A. 250(1991)145

Gács, I. 220(1989)1, 241(1990)71

Gagliardi, L. 235(1990)465

Galal, A. 248(1991)163

Galante, L.J. 215(1988)99

Galeano, T. 234(1990)263

Galiazzo, G. 234(1990)353

Gallardo Melgarejo, A. 241(1990)153

Gallego, B. 234(1990)193

Gallego, C. 246(1991)375

Gallego, M. 215(1988)233, 215(1988)241, 234(1990)433

Gallo, A.A. 221(1989)223

Galy, M. 208(1988)295

Gamble, D.S. 232(1990)181, 244(1991)135

Gamoh, K. 222(1989)201, 228(1990)101, 228(1990)307, 243

(1991)251

Gan, L.M. 218(1989)345

Ganadu, M.L. 239(1990)157

Gangaiah, T. 249(1991)533

Gangoda, M.E. 225(1989)409

Ganz, M. 240(1990)119

Gao, J. 245(1991)13

Gao, P. 212(1988)201

Gao, Z. 229(1990)213, 230(1990)105, 232(1990)367, 236(1990)

307, 241(1990)137, 241(1990)161, 244(1991)39

Gao, Z.-P. 246(1991)341

Garai, T. 204(1988)189

Garaj, J. 230(1990)163

Garanin, A.V. 203(1987)43

Garcia, A.C. 202(1987)141

García Alonso, J.I. 225(1989)339

Garcia Alvarez-Coque, M.C. 204(1988)247, 220(1989)145, 223

(1989)327, 235(1990)317

García de María, C. 220(1989)43, 247(1991)61

García de María, L. 247(1991)61

García-Montelongo, F. 202(1987)207

Garcia de Torres, A. 217(1989)363, 224(1989)153

Garcia-Olalla, C. 247(1991)19

Garcia Sanchez, F. 205(1988)139, 205(1988)149

Gardell, D. 227(1989)251

Gardies, F. 231(1990)305

Gardner, M.J. 212(1988)1, 235(1990)287

Garg, A.N. 234(1990)445

Garland, E. 229(1990)267

Garlick, S.M. 215(1988)325

Garn, M.B. 207(1988)225

Garnica Meza, J.M. 242(1991)279

Garrell, R.L. 246(1991)75

Garrigues, S. 242(1991)123

Gasper-Galvin, L.D. 222(1989)221

Gassmann, E. 213(1988)215

Gasteiger, J. 235(1990)65, 235(1990)163, 248(1991)1

Gastmans, J.P. 217(1989)85

Gauthier, J.W. 246(1991)211

Gautier, S.M. 226(1989)331, 235(1990)243, 243(1991)149

Gaye, M.D. 205(1988)273, 223(1989)395

Gazet, J. 209(1988)321, 231(1990)161

Ge, H. 237(1989)149, 238(1990)345

Gebauer, C.R. 241(1990)127

Geckeler, K.E. 230(1990)171

Gehrig, P. 233(1990)295

Geiss, S. 242(1991)5 Gelb, R.I. 220(1989)171

Gélinas, Y. 249(1991)495

Gené, J. 224(1989)23

Genfa, Z. 243(1991)207

Gennari, G. 234(1990)353

Gennaro, M.C. 233(1990)85, 239(1990)203

Geno, P.W. 242(1991)233

George, K. 237(1990)99

Geppert, G. 201(1987)281

Gernert, M. 244(1991)179

Gerrard, D.L. 240(1990)97

Gerritse, K. 213(1988)187 Gerritsen, M.J.P. 241(1990)23

Gervais, P. 227(1989)129

Gessa, C. 226(1989)315, 248(1991)301

Geusman, M.S. 212(1988)303

Gey, M. 213(1988)227

Geypens, B. 247(1991)223, 247(1991)243

Ghaemmaghami, V. 217(1989)111, 225(1989)369

Gheuens, E.O.O. 247(1991)229

Ghini, S. 205(1988)229, 227(1989)29

Ghoos, Y. 247(1991)223, 247(1991)243

Ghosh, D. 247(1991)161, 247(1991)177, 247(1991)187

Giam, C.S. 247(1991)235

Giannini, I. 221(1989)157

Giavarina, D. 223(1989)269

Gibbs, A.H. 241(1990)233

Gibbs, B.F. 234(1990)465 Gibbs, P.N.B. 224(1989)39

Giblin, D.E. 250(1991)105

Gibson, E.K. 202(1987)251 Gibson, T.D. 213(1988)61

Giosoff, 1.D. 213(1966)61

Giese, R.W. 248(1991)615

Giffhorn, F. 249(1991)25

Gilbert, B.P. 201(1987)23, 201(1987)33, 240(1991)299

Gilbert, M.J.M. 207(1988)103

Gilfrich, N.L. 248(1991)541

Gill, G. 237(1990)459

Gillespie, A.M. 245(1991)259

Gillet, G. 241(1990)209

Gilmore, D.A. 218(1989)101

Gilpin, R.K. 225(1989)409

Giné, M.F. 234(1990)207, 245(1991)211

Ginelli, E. 249(1991)291

Giorgini, E. 240(1991)347

Girandi, G. 207(1988)161

Girard, J. 247(1991)249

Girotti, S. 205(1988)229, 227(1989)29

Gisin, M. 207(1988)225 Gitter, M. 223(1989)247 Glish, G.L. 225(1989)25 Głodowski, S. 201(1987)11

Gloe, K. 224(1989)47, 228(1990)229

Gluck, S.J. 214(1988)315 Godinho, O.E.S. 222(1989)379 Goewi, C.E. 207(1988)305 Gołaś, J. 221(1989)305 Golden, T. 217(1989)343 Goldik, R. 234(1990)161

Goldschmidt, H.M.J. 211(1988)43

Gomez, C. 239(1990)229 Gómez, E. 249(1991)513

Gómez, M.J. 224(1989)123, 239(1990)229 Gómez Ariza, J.L. 224(1989)109, 228(1990)301 Gomez Benito, C. 231(1990)259, 245(1991)101

Gomez-Hens, A. 225(1989)115, 229(1990)27, 230(1990)145, 242(1991)147

Gomišček, S. 226(1989)203 Gomy, C. 215(1988)211

González, A.G. 228(1990)301, 246(1991)429 González, E. 228(1990)265, 242(1991)267

Gonzalez, E.R. 239(1990)87

González, F. 226(1989)271, 230(1990)221

González, I. 246(1991)435

González Alvarez, M.J. 234(1990)181 González-Dávila, M. 202(1987)207

Gonzalez-Robledo, D. 217(1989)239, 228(1990)123

Gonzalo Rodriguez, E. 228(1990)317 Gooijer, C. 227(1989)173, 232(1990)245

Gord, J.R. 225(1989)11

Gordon, G. 204(1988)169, 224(1989)383, 225(1989)437

Gordon Vergara, A. 216(1989)231

Górecki, T. 237(1990)1 Görlach, U. 236(1990)391 Gorrod, J.W. 247(1991)151 Gorski, K.M. 205(1988)161

Gorton, L. 206(1988)49, 213(1988)91, 213(1988)139, 225(1989) 263, 228(1990)23, 234(1990)13, 234(1989)97, 246(1991)283, 249(1991)43, 249(1991)145, 250(1991)203

Gosland, R.M. 250(1991)71 Gosztola, D. 212(1988)201 Goto, K. 219(1989)239 Goto, M. 235(1990)399 Gotoh, M. 215(1988)301 Goulas, P. 208(1988)295

Goyal, R.N. 228(1990)273, 230(1990)91

Grabner, E.W. 242(1991)249 Graglia, R. 212(1988)171 Graham, J.A. 236(1990)141 Grahl-Nielsen, O. 222(1989)35 Gran, G. 206(1988)111

Grant, C.L. 217(1989)217

Grases, F. 207(1988)233, 219(1989)89, 229(1990)249

Grasselli, M. 233(1990)315 Grassy, G. 229(1990)267 Gratzl, M. 204(1988)213 Grau, C. 249(1991)25 Gray, N.A.B. 210(1988)9 Grayeski, M.L. 249(1991)155 Greaves, M.J. 218(1989)265 Green, J.D. 226(1989)183

Green, M.J. 221(1989)289, 224(1989)39, 229(1990)57

Greenhouse, S. 236(1990)221 Greffe, J.L. 219(1989)309 Gregor, J.E. 211(1988)141 Gregorowicz, Z. 204(1988)213

Grekas, N. 202(1987)241, 204(1988)285, 225(1989)359 Greve, J. 213(1988)35, 238(1990)317, 238(1990)323

Grgić, I. 226(1989)203 Griffin, P.R. 225(1989)1 Grigorov, G. 240(1990)219 Grima, A. 227(1989)219

Grimalt, J.O. 201(1987)193, 219(1989)257, 248(1991)59, 249

(1991)337 Grimes, C. 208(1988)343

Griot, M. 213(1988)11 Gritzapis, P. 218(1989)37

Grootenhuis, P.D.J. 201(1987)117

Gross, H. 207(1988)225

Gross, M.L. 228(1990)169, 250(1991)105

Grosse, P. 240(1990)173, 240(1990)187, 240(1990)229

Grossenbacher, H. 213(1988)215 Grossmann, O. 203(1987)55, 203(1987)67

Grote, M. 201(1987)95, 207(1988)171, 212(1988)273

Groussin, J.C. 238(1990)239

Grudpan, K. 246(1991)325, 246(1991)329

Gründig, B. 222(1989)75 Gründler, P. 206(1988)153 Gübitz, G. 227(1989)97

Guczi, L. 240(1990)211, 240(1990)215

Guerrieri, A. 207(1988)183 Guglielmetti, R. 209(1988)249 Guibard, I. 240(1991)299 Guiberteau, A. 234(1990)263

Guilbault, G.G. 206(1988)369, 217(1989)187, 221(1989)11, 245(1991)63, 245(1991)151

245(1991)63, 245(1991)151 Guiliano, M. 242(1991)137 Guillem, A.F. 246(1991)1 Guillemin, C.L. 238(1990)17 Guilluy, R. 247(1991)249

Guiraúm Pérez, A. 224(1989)109, 244(1991)89

Guiyun, Z. 215(1988)331

Gunasingham, H. 221(1989)205, 229(1990)83, 234(1990)321, 246(1991)309

Gündüz, N. 249(1991)427

Gündüz, T. 234(1990)339, 249(1991)427

Guo, L. 214(1988)41 Guo, X. 228(1990)139 Gupta, H.O. 235(1990)435 Gustafsson, L. 212(1988)133 Gustavo González, A. 224(1989)109 Gutierrez, M.C. 225(1989)115, 230(1990)145

Gutmann, V. 240(1990)199 Guzman, N.A. 249(1991)247

Haaijman, J.J. 213(1988)187 Haaland, D.M. 240(1990)35

Haapakka, K. 207(1988)195, 208(1988)69, 209(1988)165, 211 (1988)105, 215(1988)341, 233(1990)199

Haddad, P.R. 250(1991)21

Hadjiioannou, T.P. 224(1989)159, 224(1989)339

Hadžija, O. 242(1991)221

Haerdi, W. 225(1989)303, 231(1990)115

Haferkamp, O. 227(1989)227

Hagen, D.F. 236(1990)157

Haggart, R. 227(1989)257

Hagspiel, K. 241(1990)321

Hahn-Hägerdal, B. 213(1988)139, 225(1989)263, 249(1991)145

Hai-Lin, G. 217(1989)335

Hajizadeh, K. 243(1991)23

Håkanson, H. 224(1989)31, 249(1991)17, 249(1991)61, 249 (1991)163

Haladjian, J. 234(1990)471

Hale, J.M. 238(1990)257

Hale, P.D. 228(1990)23, 228(1990)31, 248(1991)155

Hall, G.F. 213(1988)113, 249(1991)1

Hall, J.R. 221(1989)189

Halsall, H.B. 214(1988)187, 243(1991)23, 248(1991)399

Halvatzis, S.A. 227(1989)405

Halvax, J.J. 239(1990)171, 248(1991)473, 248(1991)483

Hamamoto, O. 225(1989)425

Hambidge, K.M. 241(1990)249

Hameed, Y.O. 206(1988)379

Hamid, H.A. 243(1991)239

Hamilton, I.C. 204(1988)329, 208(1988)283, 214(1988)359, 214 (1988)433, 219(1989)135, 221(1989)139

Hammargren, W.M. 247(1991)201

Hammons, K. 249(1991)209

Hamon, M. 204(1988)77, 225(1989)217

Hámori, T. 227(1989)311, 227(1989)315

Hampel, W.A. 225(1989)129

Hampp, N. 238(1990)405

Han, H.-B. 221(1989)85

Han, S.M. 208(1988)275

Han, Y.I. 208(1988)275

Hanazato, Y. 202(1987)131, 212(1988)49, 231(1990)213

Handa, M. 239(1990)107

Handel, H. 209(1988)249, 232(1990)331

Handke, M. 240(1991)251

Haney, M.A. 249(1991)209

Hansen, E.H. 214(1988)1, 214(1988)147, 216(1989)257, 230 (1990)113, 235(1990)265, 245(1991)89

Hansen, H.J.M. 228(1990)163

Hara, H. 230(1990)189

Hara, S. 215(1988)259, 215(1988)267, 218(1989)173, 221(1989) 163

Harada, A. 209(1988)333

Haraguchi, H. 208(1988)163, 235(1990)399, 243(1991)247

Hara-Hotta, H. 247(1991)283

Haraldsson, C. 221(1989)77

Harder, S. 239(1990)53

Harlan, R.J. 240(1990)19

Harman, A.R. 239(1990)35

Harrick, N.J. 240(1991)251

Harriott, M. 217(1989)177, 217(1989)183, 225(1989)123, 225 (1989)241, 225(1989)449

Harris, F.M. 247(1991)161, 247(1991)177, 247(1991)187

Harris Cummings, R. 224(1989)351

Hart, B.T. 234(1990)409

Hart, J.P. 229(1990)63, 231(1990)203

Hart, K.J. 215(1988)169

Hartenstein, S.D. 228(1990)279

Hartke, B. 240(1990)119

Hartland, S. 232(1990)409, 246(1991)347

Hartman, K. 233(1990)41

Hartmann, M. 242(1991)249

Hartofylax, V.H. 224(1989)159

Haseloff, R.F. 218(1989)179, 243(1991)221

Hassan, Y.A. 233(1990)307, 239(1990)161

Haswell, S.J. 242(1991)31, 249(1991)413, 250(1991)257

Hata, N. 219(1989)239

Hatta, A. 240(1991)371

Hatta, M. 201(1987)357

Haug, J.-P. 233(1990)41

Hauge, S. 243(1991)227

Hausbeck, R. 229(1990)127

Hauser, P.C. 214(1988)359, 221(1989)139

Havezov, I. 219(1989)127

Haviland, C.J. 249(1991)201

Haworth, D.T. 231(1990)317

Hayashi, J. 247(1991)27

Hayashi, K. 244(1991)239

Hayashi, T. 218(1989)119

Hayashi, Y. 201(1987)185, 202(1987)187, 209(1988)45, 212

(1988)81, 222(1989)301, 222(1989)313

Hayes, C.M.G. 250(1991)1

He, A. 201(1987)135

He, H. 246(1991)251

He, H.-B. 237(1990)497

Head, D.M. 210(1988)73

Headridge, J.B. 201(1987)311 Héberger, K. 223(1989)161

Hechler, J.-J. 217(1989)135

Hedlund, A. 213(1988)91

Heerma, W. 241(1990)219, 248(1991)553

Hefter, J. 248(1991)127

Heikka, R. 238(1990)223

Heineman, W.R. 214(1988)187, 237(1990)141, 243(1991)23,

248(1991)399

Heinzle, E. 213(1988)11, 238(1990)101

Heller, S.R. 210(1988)81

Hemel, J.B. 209(1988)1, 220(1989)119

Henderson, A.N. 246(1991)139

Hendrickson, J.B. 235(1990)103

Hennion, J. 207(1988)85

Henrion, G. 241(1990)147

Henrion, R. 241(1990)147

Henry, C.G. 242(1991)17

Hepburn, A. 232(1990)3 Hepher, M.J. 207(1988)67

Herce Garraleta, M.D. 247(1991)295

Hernandez, J.-F. 249(1991)215

Hernández, L. 201(1987)275, 228(1990)265, 238(1990)383, 242

(1991)267, 244(1991)49

Hernández, P. 228(1990)265, 238(1990)383

Hernández, S. 212(1988)123

Hernandez-Cassou, S. 201(1987)325

Hernandez Hernandez, L. 234(1990)175

Hernandez Lopez, M. 205(1988)139, 205(1988)149

Hernández Méndez, J. 209(1988)205, 220(1989)43, 225(1989)

247, 228(1990)317, 230(1990)217

Hernández Torres, M.A. 201(1987)67

Herne, T.M. 246(1991)75

Herning, T. 244(1991)207

Herold, D.A. 224(1989)83

Herr, S.L. 240(1991)273

Herrador, M.A. 246(1991)429

Herrera, L. 223(1989)361

Hicks, M.G. 235(1990)87

Hieftje, G.M. 215(1988)99, 216(1989)1

Hiele, M. 247(1991)223, 247(1991)243

Higashi, T. 245(1991)191

Higashidate, S. 225(1989)421, 227(1989)21

Higgins, K.L. 240(1990)35 Hiiro, K. 224(1989)145

Hillenkamp, F. 241(1990)175, 241(1990)321

Hillman, D.C. 231(1990)21 Hindriks, F.R. 220(1989)119

Hinkamp, S. 230(1990)1, 236(1990)345

Hinze, W.L. 225(1989)147

Hioki, A. 209(1988)281

Hippe, Z.S. 235(1990)135

Hiraide, M. 227(1989)421

Hirashima, A. 211(1988)119

Hirata, S. 221(1989)65

Hiratani, K. 221(1989)117

Hiromi, K. 203(1987)35

Hirose, S. 225(1989)273, 239(1990)181

Hirota, T. 217(1989)193

Ho, M.F. 246(1991)443

Ho, M.H. 215(1988)249, 233(1990)59

Ho, M.Y.K. 232(1990)397

Hoashi, M. 217(1989)165, 232(1990)317, 246(1991)359

Hobo, T. 222(1989)211, 231(1990)7, 247(1991)27

Hodda, A.E. 207(1988)283

Hoenig, M. 222(1989)55

Hoffmann, A. 240(1991)239

Hofstraat, J.W. 232(1990)245

Hojjatie, M. 218(1989)111

Holden, L.R. 236(1990)141

Holler, F.J. 224(1989)211

Holliday, T.L. 247(1991)235

Holliman, C.L. 250(1991)105 Holst, O. 216(1989)299

Holthuis, J.J.M. 202(1987)35, 217(1989)229, 233(1990)251, 234(1990)285

Holzhauer-Rieger, K. 249(1991)87

Honda, H. 233(1990)135

Honda, K. 221(1989)65

Hong, S.O. 236(1990)423

Hoogendam, E. 201(1987)117, 211(1988)61, 239(1990)245

Hoornweg, G.Ph. 227(1989)173

Hori, S. 218(1989)161

Horiguchi, K. 225(1989)283

Hornyák, I. 227(1989)309, 227(1989)311, 227(1989)315

Horvai, G. 216(1989)163, 243(1991)55

Horvat, M. 243(1991)71

Horváth, Zs. 248(1991)241

Horwitz, E.P. 238(1990)263

Hosaka, H. 225(1989)83

Hoshino, H. 233(1990)121

Hosokawa, K. 217(1989)61

Hosono, S. 238(1990)351

Hoste, J. 204(1988)63

Hostettmann, K. 236(1990)63

Hotop, S. 249(1991)87

Hou, W. 230(1990)207, 239(1990)29

Houk, R.S. 248(1991)229, 250(1991)61

Hove, H.T. 222(1989)35

Howard, A.G. 223(1989)411

Howarth, V.A. 240(1990)29

Hoyt, A.M. 236(1990)237

Hozumi, K. 201(1987)301, 201(1987)357, 242(1991)131

Hu, P. 250(1991)105

Hu, Q. 212(1988)325

Hu, S. 248(1991)103

Hu, W.D. 226(1989)193, 245(1991)207

Hu, Z. 231(1990)101, 248(1991)177

Hua, C. 201(1987)263, 208(1988)237, 209(1988)339

Huang, B. 243(1991)65

Huang, H.-J. 238(1990)431, 246(1991)275

Huang, H.P. 213(1988)251

Huang, J. 246(1991)55

Huang, W.-F. 233(1990)223

Huawei, Q. 210(1988)169

Huber, C.O. 208(1988)247, 229(1990)191, 243(1991)279

Hubert, J. 224(1989)73

Hübner, U. 238(1990)211, 249(1991)87

Hudnik, V. 226(1989)203

Hudson, H.A. 208(1988)195, 237(1990)345

Hui, B.S. 243(1991)279

Hui, Y.-Z. 221(1989)353

Huiliang, H. 201(1987)1, 201(1987)269, 202(1987)117, 202

 $(1987)123, \ \ 207(1988)17, \ \ 207(1988)27, \ \ 207(1988)37, \ \ 208$

(1988)237, 208(1988)301

Huizenga, D.L. 206(1988)263 Hulanicki, A. 219(1989)37, 233(1990)269

Hulshoff, A. 233(1990)251

Hum, A. 202(1987)215

Hummel, W. 213(1988)55

Hundeck, H.-G. 238(1990)211

Hundeck, H.G. 249(1991)25 Hunt, D.F. 225(1989)1

Hunter, C.A. 241(1990)281

Hüppe, U. 207(1988)171

Hussam, A. 204(1988)295

Hyvärinen, H. 207(1988)301

Ibáñez, J.A. 229(1990)153

Ibáñez, J.G. 246(1991)435

Ibusuki, T. 230(1990)183

Ichinobe, N. 221(1989)109

Idowu, O.R. 206(1988)339 Igarashi, S. 225(1989)147

Ihlenfeldt, W.D. 235(1990)65

Ihn, G.-S. 209(1988)345

Iida, C. 245(1991)35

Iida, J. 228(1990)307

Ikan, R. 232(1990)11

Ikeda, T. 230(1990)75

Iketani, S.-I. 203(1987)85 Iles, P.J. 204(1988)329, 219(1989)135

Ilić, Z. 221(1989)91

Imai, K. 205(1988)7, 205(1988)255, 223(1989)299, 225(1989)

421, 227(1989)21, 227(1989)203

Imai, N. 235(1990)381

Imasaka, T. 208(1988)255, 208(1988)325, 209(1988)327, 212

(1988)267, 219(1989)181, 219(1989)223, 243(1991)97, 243

(1991)109, 245(1991)191

Imato, T. 214(1988)349, 233(1990)139

Imura, H. 219(1989)97, 228(1990)85, 239(1990)115

Inagaki, T. 228(1990)23, 228(1990)31

Inatomi, K.-I. 212(1988)49

Inczédy, J. 238(1990)63, 248(1991)441

Infantes, J.A. 242(1991)179

Ingendoh, A. 241(1990)175

Ingle Jr., J.D. 222(1989)279, 224(1989)225, 224(1989)275, 224 (1989)363, 243(1991)89

Ingman, F. 245(1991)251

Injuk, J. 220(1989)217

Inman, M.E. 218(1989)85

Inman, S.M. 217(1989)249, 239(1990)45

Inoue, H. 237(1990)155

Inoue, Y. 241(1990)273, 243(1991)183, 244(1991)105

Igbal, M.S. 238(1990)427

Irth, H. 236(1990)165

Irving, H.M.N.H. 218(1989)323

Ishibashi, K. 219(1989)181

Ishibashi, M. 222(1989)301, 227(1989)21

Ishibashi, N. 208(1988)255, 208(1988)325, 209(1988)327, 212 (1988)267, 214(1988)349, 219(1989)181, 219(1989)223, 233 (1990)139, 243(1991)97, 243(1991)109, 245(1991)191

Ishida, J. 215(1988)259, 223(1989)319, 231(1990)1, 242(1991) 113

Ishida, R. 248(1991)529

Ishihara, N. 228(1990)159, 236(1990)441, 239(1990)13

Ishii, D. 235(1990)399

Ishii, H. 244(1991)223

Ishii, T. 214(1988)409, 219(1989)123

Ishizuki, T. 212(1988)253, 220(1989)293, 223(1989)339

Israel, Y. 206(1988)313

Isshiki, K. 218(1989)25, 224(1989)55

Ito, K. 230(1990)189

Ito, M. 242(1991)131

Ito, S. 211(1988)213

Itoh, H. 243(1991)273

Iturriaga, H. 201(1987)193, 219(1989)257, 224(1989)23, 226 (1989)271, 230(1990)221, 234(1990)395

Ivaska, A. 238(1990)223

Iwai, T. 239(1990)107

Iwasaki, K. 208(1988)163

Iwasaki, M. 207(1988)243

Iwasaki, T. 204(1988)113

Iwasaki, Y. 249(1991)323 Iwata, S. 246(1991)413

Iwata, T. 223(1989)319

Iwata, Y. 219(1989)97, 239(1990)115

Iyer, S.S. 228(1990)333, 236(1990)487

Izac, R.R. 234(1990)365

Izotov, B.N. 227(1989)287

Izquierdo, A. 227(1989)219

Izquierdo, L. 212(1988)309

Izquierdo-Ridorsa, A. 248(1991)447

Izutsu, K. 238(1990)351

Jaber, A.M.Y. 223(1989)449

Jacintho, A.O. 204(1988)259, 214(1988)239, 214(1988)247,

234(1990)153

Jacinto, G.S. 211(1988)129

Jackson, K.W. 201(1987)311

Jackwerth, E. 226(1989)1, 226(1989)17, 226(1989)31, 242 (1991)99

Jacobsen, A. 217(1989)391

Jacobsen, E. 217(1989)391

Jacobson, D.B. 246(1991)211

Jacobson, F.S. 249(1991)101

Jaffrezíc-Renault, N. 222(1989)373, 231(1990)53, 231(1990)305

Jäger, V. 245(1991)1

Jagner, D. 201(1987)1, 201(1987)263, 201(1987)269, 202(1987) 117, 202(1987)123, 207(1988)17, 207(1988)27, 207(1988)37,

208(1988)237, 208(1988)301, 209(1988)339

Jahan, M. 231(1990)69

Jain, A.K. 231(1990)69

Jakšić, Lj. 229(1990)287

Jakšić, L.N. 202(1987)231

Jalsovszky, G. 240(1990)223

Jamaluddin Ahmed, MD. 206(1988)345

Jančář, L. 248(1991)459

Jänchenová, H. 244(1991)15

Janczyszyn, J. 236(1990)417

Jano, I. 226(1989)305, 230(1990)151

Janowicz, K. 243(1991)201

Jansen, A.P. 209(1988)265

Jansen, E.H.J.M. 205(1988)175, 205(1988)243, 205(1988)249, 205(1988)267, 227(1989)49, 227(1989)57, 227(1989)109

Jarosz, J. 233(1990)207

Jawad, S.M. 246(1991)259

Jedral, W. 219(1989)37

Jenke, D.R. 220(1989)281

Jenkins, R.A. 236(1990)213 Jenkins, T.F. 231(1990)313

Jennings, R.N. 205(1988)207, 227(1989)37

Jensen, E.S. 226(1989)345

Jeppesen, M.T. 214(1988)147, 245(1991)89

Ji, H. 230(1990)207

Jia, G. 220(1989)103

Jia, X. 231(1990)101

Jian, C. 237(1990)265

Jian, G. 234(1989)89

Jiang, F. 234(1990)403

Jiang, M. 215(1988)37, 234(1990)403, 236(1990)411

Jiang, W. 247(1991)37

Jiao, K. 238(1990)367

Jimbo, K. 217(1989)281

Jiménez, M. 230(1990)35

Jimenez Jimenez, J.I. 209(1988)205

Jin, C. 235(1990)273

Jin, L. 244(1991)165

Jin, W. 236(1990)453, 238(1990)375, 245(1991)77

Jin, Z. 210(1988)195

Jinghe, Y. 215(1988)331

Jinno, F. 245(1991)35

Jinno, K. 202(1987)237

Jitoh, F. 228(1990)85

Jochum, C. 235(1990)87

Johansson, A. 206(1988)97

Johansson, C. 213(1988)207

Johansson, C.B. 241(1990)299 Johansson, G. 206(1988)49, 216(1989)299, 224(1989)13, 231

(1990)165, 246(1991)283

Johansson, H.O.J. 213(1988)207

Johansson, P.-A. 223(1989)461

John, R. 217(1989)335, 235(1990)451, 249(1991)381

Johnson, C.A. 238(1990)273

Johnson, D. 201(1987)311

Johnson, D.C. 204(1988)43, 204(1988)323, 215(1988)1, 248 (1991)85

Johnson, D.J. 228(1990)155

Johnson, E.T. 217(1989)53

Johnson, G.R.A. 204(1988)349

Johnson, K.S. 201(1987)83, 249(1991)469

Johnson, M.E. 248(1991)195

Johnston, C. 240(1990)87

Joksimović, V. 212(1988)73

Jolicoeur, C. 213(1988)165

Jones, B.T. 227(1989)331

Jones, L.F. 246(1991)1

Jones, L.H. 249(1991)235

Jones, P. 217(1989)157, 220(1989)195, 225(1989)339, 237

(1990)291, 249(1991)539

Jönsson-Pettersson, G. 249(1991)43, 250(1991)203

Joosten, E. 247(1991)243

Jordan, C. 244(1991)269

Jordan, J.M. 220(1989)23

Jordanov, B. 240(1990)145

Jorge, S.M.A. 242(1991)295

Josse, F. 231(1990)317

Jouan, M. 215(1988)211

Jovanović, M.S. 233(1990)329

Jovanović, V.M. 233(1990)329

Jørgensen, S.B. 238(1990)139

Juhl, L.L. 207(1988)125, 237(1990)223

Jumeau, J. 247(1991)249

Jurs, P.C. 233(1990)111, 248(1991)183

Juvet, R.S. 241(1990)241

Kabbani, M.W. 218(1989)167

Kai, M. 207(1988)243, 215(1988)259, 248(1991)213

Kajbaf, M. 247(1991)151

Kakeba, A. 219(1989)239

Kakihana, H. 231(1990)147

Kaku, S. 225(1989)283

Kalaidjieva, I. 236(1990)385

Kalambaheti, C. 250(1991)21

Kalasinsky, K.S. 240(1990)41

Kalivas, J.H. 207(1988)125, 237(1990)223

Kaljurand, M. 239(1990)317, 248(1991)271

Kallury, K.M.R. 225(1989)369

Kalous, J. 209(1988)357

Kaltenbach, T.F. 246(1991)85

Kamada, M. 206(1988)273

Kamarás, K. 240(1991)273

Kamau, G.N. 207(1988)1

Kameda, Y. 220(1989)251

Kamichika, T. 219(1989)223

Kamo, N. 230(1990)41

Kamson, O.F. 211(1988)299

Kanai, M. 219(1989)239

Kanaya, K.-I. 203(1987)35

Kanaya, S. 215(1988)155, 219(1989)213, 225(1989)89, 239

(1990)73

Kanazawa, T. 245(1991)71

Kanda, S. 223(1989)299, 225(1989)421

Kanda, Y. 207(1988)269

Kaneki, N. 230(1990)189

Kankare, J. 207(1988)195, 209(1988)165, 211(1988)105, 215

(1988)341, 233(1990)199

Kanke, M. 247(1991)13

Kanohta, K. 210(1988)89

Kaplan, I.R. 232(1990)11 Karadgova, I. 244(1991)123

Karagözler, A.E. 237(1990)317, 248(1991)163

Karan, H.I. 228(1990)23, 228(1990)31, 248(1991)155

Karas, M. 241(1990)175, 241(1990)321

Karatani, H. 224(1989)55

Karayannis, M.I. 224(1989)199, 224(1989)263

Karjalainen, E.J. 250(1991)169

Karjalainen, U.P. 250(1991)169

Karlberg, B. 214(1988)29

Karlíček, R. 218(1989)151

Karlsson, M. 244(1990)109

Karnes, H.T. 205(1988)279

Karpas, Z. 249(1991)503

Karpinchik, O.S. 215(1988)289

Karube, I. 207(1988)77, 213(1988)69, 215(1988)91, 215(1988)

301, 217(1989)321, 218(1989)61, 218(1989)137, 220(1989)

251, 225(1989)399, 228(1990)49, 229(1990)197, 232(1990)

267, 235(1990)255, 244(1991)201, 244(1991)207, 249(1991)

Kása, I. 227(1989)311, 227(1989)315

Kasahara, I. 219(1989)239

Kasama, K. 233(1990)135

Kascheres, C. 215(1988)223

Kashuba, A.T. 249(1991)509

Kasimura, H. 239(1990)297

Katagiri, Y. 210(1988)89

Katayama, Y. 204(1988)113

Kateman, G. 207(1988)111, 209(1988)265, 222(1989)1, 222 (1989)19, 223(1989)205, 228(1990)145, 233(1990)65, 235

(1990)27, 241(1990)23

Katsu, T. 217(1989)193, 239(1990)23

Kauffmann, J.-M. 206(1988)369, 234(1989)75, 236(1990)299

Kaufman, J.J. 210(1988)203, 210(1988)209

Kauppinen, M. 248(1991)569

Kavlentis, E. 208(1988)313

Kawabata, Y. 208(1988)255, 212(1988)267, 219(1989)223, 243 (1991)97

Kawaguchi, T. 231(1990)107

Kawahara, K. 244(1991)161

Kawakubo, S. 217(1989)23

Kawamonzen, Y. 244(1991)223

Kawamura, T. 208(1988)81

Kawasaki, A. 206(1988)273

Kawase, A. 209(1988)281

Kayamoto, T. 239(1990)23

Kayasth, S.R. 219(1989)313, 231(1990)133

Keefer, L.K. 232(1990)397

Keen, L. 249(1991)263

Keene, J.B. 222(1989)169

Kelkar, U.R. 231(1990)317

Keller, H.R. 246(1991)379 Kellner, R. 240(1990)125

Kempers, A.J. 221(1989)147

Kempster, P.L. 218(1989)69

Kendall, D.S. 219(1989)165

Kenney, A. 249(1991)227

Kenttämaa, H. 217(1989)43

Kenttämaa, H.I. 246(1991)227

Kerber, A. 235(1990)221

Kerouel, R. 248(1991)277

Kester, D.R. 247(1991)125

Ketkar, S.N. 245(1991)267

Kettrup, A. 201(1987)95, 207(1988)171, 212(1988)273

Khaledi, M.G. 201(1987)67, 239(1990)121, 246(1991)131

Khalid, N. 233(1990)165

Khan, A.S. 238(1990)423

Khan, S.H. 222(1989)43, 231(1990)221

Kholin, Yu.V. 249(1991)353

Khopkar, S.M. 206(1988)363, 221(1989)183, 222(1989)215, 245(1991)27

Kiba, N. 218(1989)161, 224(1989)133, 239(1990)307, 243 (1991)183, 244(1991)105, 248(1991)367

Kiboku, M. 218(1989)173

Kiechle, F. 249(1991)35

Kiefer, W. 240(1990)119

Kihara, S. 218(1989)25, 220(1989)111, 221(1989)179, 226 (1989)187, 232(1990)293, 239(1990)277, 244(1991)289, 248 (1991)501, 249(1991)525

Kiliç, E. 234(1990)339

Kimura, J. 235(1990)255

Kimura, K. 203(1987)85

Kimura, S. 227(1989)165

Kimura, T. 222(1989)121

Kindervater, R. 234(1990)113

King, D.W. 247(1991)125

King, J.N. 207(1988)137

King, P. 207(1988)225

Kingsley, E.D. 206(1988)385

Kingston, H.M. 220(1989)243

Kinniburgh, D.G. 232(1990)189

Kinoshita, E. 230(1990)17

Kinoshita, H. 230(1990)75

Kinter, M. 224(1989)83

Kir, S. 229(1990)145

Kirchner, S. 203(1987)11

Kirsch, B. 220(1989)235

Kirsch, B.A. 209(1988)111

Kishikawa, K. 239(1990)297

Kiss, E. 211(1988)243

Kister, J. 242(1991)137

Kitabatake, K. 218(1989)61

Kitagawa, T. 237(1990)237

Kitagawa, Y. 207(1988)77, 213(1988)69, 218(1989)61

Kitamura, K. 201(1987)301, 201(1987)357, 242(1991)131

Kito, M. 239(1990)181

Kittsteiner-Eberle, R. 249(1991)137

Klaeboe, P. 240(1991)363

Klaessens, J. 222(1989)1, 222(1989)19, 223(1989)205

Kılıç, E. 249(1991)427

Klein, J. 233(1990)101

Klinkhammer, G.P. 218(1989)265, 232(1990)323

Kluge, W. 219(1989)273

Knauth, H.-D. 213(1988)221

Knittel, D. 226(1989)247

Knox, S. 226(1989)229, 226(1989)239

Kobatake, Y. 230(1990)41

Kobayashi, N. 231(1990)121, 238(1990)339, 248(1991)345

Kobayashi, S. 244(1991)207

Koch, R. 238(1990)211

Koch, W.F. 215(1988)21

Koel, M. 239(1990)317

Koh, L.L. 218(1989)345

Kohen, F. 205(1988)215

Kohmoto, S. 239(1990)297

Kohoutková, D. 212(1988)279

Koike, T. 218(1989)119

Kojima, E. 248(1991)213

Kojima, I. 245(1991)35

Kojima, N. 233(1990)275

Kojima, T. 219(1989)171

Kojło, A. 228(1990)287

Kok, C.J. 221(1989)147

Kok, W.Th. 228(1990)39, 228(1990)209

Kokkonen, P. 207(1988)301

Kolba, E. 240(1990)119

Kolev, S.D. 201(1987)109, 208(1988)117, 208(1988)133, 229 (1990)183, 234(1990)49, 234(1990)57, 241(1990)43, 241

(1990)55, 247(1991)51

Koliander, W. 225(1989)129

Kolkman, H. 213(1988)35

Kolmonpunporn, M. 226(1989)159

Kolotov, V.P. 203(1987)43

Kolycheva, N. 242(1991)65

Komai, M. 238(1990)351

Komarov, E.V. 222(1989)335

Komatsu, Y. 227(1989)397

Komatsubara, H. 208(1988)317

Komljenović, J. 231(1990)137

Komorsky-Lovrić, Š. 204(1988)161

Komukai, T. 239(1990)73

Komy, Z. 204(1988)179

Konar, S.K. 229(1990)277 Konidari, C.N. 224(1989)199

König, W. 249(1991)271

Konings, R.J.M. 240(1991)383

Kontas, E. 231(1990)273

Koochaki, Z.B. 232(1990)357

Kooiman, F.P. 248(1991)553

Koopal, L.K. 232(1990)189

Kooyman, R.P.H. 213(1988)35, 238(1990)317, 238(1990)323

Kopanica, M. 208(1988)231, 244(1991)193

Koppmann, R. 236(1990)197

Koprinarov, N. 240(1990)219

Kord, A.S. 246(1991)131

Korechika, K. 220(1989)275

Korenaga, T. 214(1988)87, 214(1988)97

Korf, J. 205(1988)53

Kórösi, J. 227(1989)311, 227(1989)315

Korte, E.H. 240(1990)179

Koryta, J. 206(1988)1, 233(1990)1

Köseoglu, F. 249(1991)427

Koshiishi, K. 215(1988)347

Koshima, H. 232(1990)287

Koski, W.S. 210(1988)203

Kostanski, M.T. 242(1991)191 Kostiainen, R. 204(1988)233

Kotiaho, T. 231(1990)175

Koudelka, M. 219(1989)45

Koukli, I.I. 236(1990)463

Koupparis, M.A. 204(1988)271, 219(1989)295, 224(1989)339

Kovach, P.M. 249(1991)201

Kowalski, B.R. 206(1988)125, 218(1989)303

Kowalski, Z. 221(1989)305 Kozlowski, H. 207(1988)85

Kraak, J.C. 207(1988)149 Krabisch, Ch. 201(1987)281, 222(1989)75

Kragten, J. 241(1990)1

Krasnov, A.V. 248(1991)579

Krawczyński vel Krawczyk, T. 207(1988)325

Kresbach, G.M. 248(1991)615 Krishnan, V. 239(1990)7 Krivan, V. 229(1990)127

Kroutil, R.T. 232(1990)261, 246(1991)85 Krug, F.J. 214(1988)397, 245(1991)211

Krull, I.S. 215(1988)45

Krull, U.J. 202(1987)215, 225(1989)369, 237(1990)253

Krumgalz, B.S. 218(1989)335 Kryger, L. 219(1989)105

Kuban, V. 245(1991)251, 248(1991)493 Kubiak, W.W. 221(1989)43, 229(1990)139

Kubicek, C.P. 241(1990)321 Kubinyi, H. 247(1991)107 Kublik, Z. 201(1987)11 Kubo, I. 218(1989)61

Kubota, M. 209(1988)281, 228(1990)61

Kubota, T. 208(1988)351 Kucharkowski, R. 219(1989)273 Kudryavtsev, G.V. 219(1989)201 Kuhara, T. 241(1990)273

Kuhn, R. 234(1990)259 Kuhr, W.G. 205(1988)53

Kula, M.-R. 213(1988)55, 235(1990)329, 248(1991)371

Kulińska, K. 240(1991)277 Küllik, E. 239(1990)317

Kulmala, S. 208(1988)69, 209(1988)165, 211(1988)105 Kulys, J. 243(1991)167, 243(1991)173, 243(1991)287

Kumamaru, T. 218(1989)173, 221(1989)65, 221(1989)249, 232 (1990)389, 239(1990)139, 246(1991)413, 247(1991)13

Kumar, A. 241(1990)127 Kumaran, S. 249(1991)405

Kumbhar, A.G. 229(1990)149, 239(1990)291

Kümmel, M. 238(1990)191 Kümmel, R. 245(1991)243 Kumoyama, H. 243(1991)97

Künnecke, W. 234(1990)113, 234(1990)213

Kunwar, U.K. 250(1991)71 Kuo, H.-H. 248(1991)517 Kuratli, M. 244(1991)151 Kurihara, M. 226(1989)109 Kuroishi, T. 220(1989)13 Kuroko, M. 217(1989)193

Kurosawa, S. 230(1990)41

Kurotu, T. 233(1990)325 Kurttio, P. 212(1988)297

Kurusu, K. 244(1991)59 Kurzawa, J. 243(1991)201

Kurzawa, Z. 243(1991)201 Kusakabe, H. 235(1990)329

Kusakabe, S. 242(1991)57

Kusuda, K. 224(1989)1 Kutsuna, S. 230(1990)183 Kuzik, L. 240(1990)219

Kvalheim, O.M. 223(1989)53, 223(1989)123

Laan, C.A. 205(1988)243

Labuda, J. 208(1988)219, 228(1990)259

Lacourse, W.R. 215(1988)45 Lacy, N. 224(1989)373

Lafontaine, P. 241(1990)227 Lai, R.-L. 211(1988)257

Laila, A.A.R. 204(1988)355

Lam, Z. 241(1990)187

Lamb, J.H. 241(1990)201, 241(1990)233, 241(1990)281, 247 (1991)151

Lambrechts, H. 247(1991)229

Lamy, F. 235(1990)299 Lamy, I. 212(1988)105 Lan, H.L. 248(1991)155 Lan, Z.-H. 212(1988)285

Lancaster, J.S. 239(1990)189, 250(1991)145

Lang, S.J. 235(1990)367

Langford, C.H. 232(1990)43, 232(1990)181, 244(1991)135

Langridge, J.I. 247(1991)161, 247(1991)177

Lankhof, H. 248(1991)553 La Noce, T. 209(1988)315 Lanouette, M. 233(1990)311

Lansens, P. 228(1990)93, 229(1990)281, 234(1990)417

Lanza, P. 244(1991)247, 244(1991)253

Lanza, F. 244(1991)247, 244(1991)247, 244(1991)309 Larew, L.A. 204(1988)43 LaRosa, J.J. 238(1990)263 Larrechi, M.S. 225(1989)69 Larsen, E. 226(1989)345 Larsson, J.A. 224(1989)289 Lartillot, S. 245(1991)129

Laserna, J.J. 208(1988)21, 237(1990)439, 244(1991)215

Latif, S. 212(1988)23 Laue, R. 235(1990)221 Lauer, H.H. 250(1991)45 Laufer, D.A. 220(1989)171

Lavagnini, I. 211(1988)75, 223(1989)193, 230(1990)29, 239 (1990)95

Lavorato, G. 201(1987)59

Lázaro, F. 214(1988)217, 219(1989)231, 216(1989)275, 226 (1989)221, 229(1990)177, 242(1991)283, 249(1991)461

Le, X.-C. 229(1990)239

Leaback, D.H. 205(1988)89, 205(1988)97, 212(1988)213, 227 (1989)1, 227(1989)257, 227(1989)273

Leardi, R. 202(1987)175, 233(1990)143

Lebedev, V.Ya. 248(1991)579 Lechner, J.F. 234(1990)199 Leclercq, P.A. 247(1991)229 Lederer, M. 246(1991)451

Lee, A.W.M. 218(1989)157, 230(1990)203, 246(1991)443

Lee, B.-S. 204(1988)333

Lee, H.S. 228(1990)31, 248(1991)155

Lee, I.H. 229(1990)47 Lee, K.W. 230(1990)203 Lee, S. 244(1991)201 Lee, Y.H. 221(1989)259 Leech, D. 245(1991)139 Leermakers, M. 234(1990)417 Leggett, K.E.A. 222(1989)169 Legrand, M. 203(1987)11

Lehmann, B. 233(1990)41 Lehuede, P. 201(1987)145

Lei, W. 226(1989)165, 226(1989)255

Leigh, A.G.W. 212(1988)213

Leijten, J.F. 211(1988)43

Leiker, T.J. 228(1990)69

Leiner, M.J.P. 205(1988)1

Lenn, C.P. 238(1990)251

Leon, L.E. 234(1990)227

Leonard, R.G. 217(1989)335

Léon Camacho, M. 244(1991)89

Leon-Gonzalez, M.E. 219(1989)329, 236(1990)267

Leporati, E. 234(1990)381, 234(1990)387

Leppard, G.G. 232(1990)107

Lerner, D.A. 205(1988)105, 205(1988)117, 227(1989)297

Leshan, W. 210(1988)115

Leung, C.P. 229(1990)255

Leung, W.K.H. 229(1990)255

Levine, S.P. 210(1988)51

Levi-Setti, R. 241(1990)299

Levison, P.R. 249(1991)195

Lewandowski, R. 233(1990)269

Lewenstam, A. 233(1990)269, 236(1990)331

Lewis, S.W. 250(1991)145

Lewis, T.W. 244(1991)197

Lewis-Russ, A. 249(1991)509

Leyman, R. 236(1990)371

Li, C. 238(1990)307

Li, D. 210(1988)219

Li, H. 212(1988)31, 221(1989)269, 226(1989)323, 243(1991)127

Li, J. 212(1988)145, 231(1990)151

Li, P. 229(1990)213, 232(1990)367, 236(1990)307, 241(1990)137,

244(1991)39

Li, R. 228(1990)251

Li, S. 232(1990)409

Li, W. 234(1990)365

Li, W.Y. 244(1991)21

Li, X. 236(1990)453

Li, Y. 236(1990)411, 245(1991)13

Li, Y.-Z. 248(1991)589

Li, Z. 248(1991)257

Liang, G.Y. 243(1991)127

Liang, Y.-Z. 222(1989)347, 222(1989)369

Liberatori, A. 209(1988)315

Liddicoat, M.I. 249(1991)555

Lieberman, S.H. 217(1989)249, 239(1990)45

Liebich, H.M. 236(1990)121

Liebich, V. 239(1990)61

Likforman, J. 204(1988)77

Lillo, E. 246(1991)375

Lima, J.L.F.C. 234(1990)67, 234(1990)221

Lin, D.-P. 235(1990)375

Lin, J. 247(1991)125

Lin, M.-S. 218(1989)281, 234(1990)453, 237(1990)107

Lin, P. 246(1991)227

Lin, T. 231(1990)151

Lin, Y.-P. 224(1989)139

Linares, P. 202(1987)199, 221(1989)173, 225(1989)431, 225 (1989)443, 230(1990)199, 235(1990)441, 238(1990)411

Lindberg, W. 206(1988)125, 211(1988)1

Lindner, E. 234(1990)49, 234(1990)57

Linert, W. 240(1990)199

Ling, B.L. 227(1989)203

Lingeman, H. 205(1988)15, 236(1990)165

Linley, P.A. 234(1989)89

Lin Ling, B. 234(1990)187

Lintern, M. 209(1988)193

Linton, R.W. 243(1991)139

Lipiäinen, K. 215(1988)341, 233(1990)199

Lippitsch, M.E. 205(1988)1

Li-Shi, Y. 210(1988)51

Lito, M.J.G.H.M. 239(1990)129

Litorja, L.A. 235(1990)375

Littlejohn, D. 250(1991)71

Litwiler, K.S. 237(1990)485, 246(1991)55

Liu, C. 238(1990)367

Liu, C.-C. 248(1991)323

Liu, C.Y. 214(1988)121, 233(1990)77

Liu, J. 224(1989)145

Liu, J.-S. 237(1990)497

Liu, P. 245(1991)109, 247(1991)37

Liu, S.Z. 210(1988)219

Liu, W. 212(1988)285

Liu, Y. 222(1989)279, 231(1990)151, 243(1991)127

Liu, Y.-M. 234(1990)233, 238(1990)297

Llaguno, E.C. 232(1990)31

Llavero, M.P. 229(1990)27

Lo, J.-M. 224(1989)139

Łobiński, R. 226(1989)281

Locascio-Brown, L. 228(1990)107

Locatelli, C. 204(1988)189

Lochmüller, C.H. 249(1991)297

Lodding, A.R. 241(1990)299

Long, W.J. 205(1988)279

Longhi, P. 207(1988)211 Longman, D. 209(1988)193

Loo, J.A. 241(1990)167

López, M.C. 246(1991)375

López-Calahorra, F. 219(1989)161

Lopez-Cantarero, E. 240(1991)395

Lopez Fonseca, J.M. 230(1990)97

López García, A. 225(1989)339

Loranger, C. 249(1991)55

Lorenzo, E. 201(1987)275, 238(1990)383, 242(1991)267

Lorenzo, M.L. 246(1991)375

Lorenzo, M.S. 201(1987)295

Loreti, L. 209(1988)315

Loriguillo, A. 212(1988)223 Loring, D.H. 220(1989)263

Louwerse, D.J. 228(1990)209

Lovrić, M. 218(1989)7

Low, G.K.-C. 231(1990)13, 233(1990)171

Lowe, C.R. 231(1990)33

Lowe, R.D. 250(1991)95

Lowney, C. 234(1990)479

Lowry, S.R. 210(1988)51

Lu, B.T. 210(1988)219

Lu, J. 238(1990)375 Lu, K. 210(1988)143

Lu, X. 235(1990)461

Lu, Z. 228(1990)251

Lub, T.T. 241(1990)83, 241(1990)95

Lubert, K.-H. 237(1990)233

Lubrano, G.J. 206(1988)369, 245(1991)63, 245(1991)151

Lüdi, H. 213(1988)215, 217(1989)359

Ludvík, J. 209(1988)69

Łukaszewski, Z. 202(1987)85, 202(1987)97, 231(1990)77

Luinge, H.-J. 223(1989)135, 240(1990)3

Lukkari, I. 211(1988)1

Lukovits, I. 240(1990)135

Lukyanenko, N.G. 215(1988)289

Lunar, Ma.L. 237(1990)207

Lund, W. 208(1988)347, 211(1988)223, 217(1989)391, 219 (1989)141

Lundström, I. 231(1990)93

Lunelli, M. 235(1990)177

Lunte, C.E. 214(1988)187, 246(1991)181

Luo, J. 229(1990)71, 237(1990)71

Luo, P. 244(1991)169

Luo, S. 242(1991)11

Luo, X. 245(1991)13

Luo, Y. 212(1988)325

Luong, J.H.T. 221(1989)215, 234(1990)465

Lupšina, V. 243(1991)71

Luque de Castro, M.D. 202(1987)199, 211(1988)281, 211 (1988)287, 214(1988)217, 214(1988)375, 216(1989)275, 219

(1989)191, 219(1989)231, 221(1989)173, 224(1989)127, 224

(1989)169, 225(1989)431, 225(1989)443, 226(1989)221, 229

(1990)177, 230(1990)137, 230(1990)199, 234(1989)89, 234

(1990)227, 234(1990)345, 235(1990)441, 238(1990)411, 242 (1991)179, 242(1991)283, 249(1991)461, 250(1991)157

Lutter, J. 243(1991)17

Lutz, B. 240(1991)311

Lykos, P. 210(1988)1

Lynes, A. 239(1990)189

Lytle, F.E. 215(1988)203

Ma, C. 235(1990)323

Ma, L. 210(1988)143

Macdonald, A.M.G. 207(1988)337, 211(1988)155, 211(1988)175

MacDuff, R.C. 217(1989)101, 226(1989)153

Machwe, M.K. 230(1990)213

Mackey, D.J. 232(1990)161

MacLaurin, P. 238(1990)171

MacMillan, D.K. 250(1991)105

MacRitchie, F. 249(1991)241

Madec, C. 230(1990)83

Madrid, Y. 237(1990)181, 247(1991)7

Maeda, M. 202(1987)131, 212(1988)49, 231(1990)213

Maeder, G. 231(1990)115

Maessen, F.J.M.J. 207(1988)149, 226(1989)53, 226(1989)73, 235(1990)427

Magno, F. 211(1988)75, 223(1989)193, 230(1990)29, 239(1990)

Mahalanabis, K.K. 249(1991)349

Maher, W. 209(1988)299

Mahó, S. 241(1990)289

Mahon, M.J. 215(1988)325

Mahuzier, G. 211(1988)333, 217(1989)11, 223(1989)309, 227 (1989)319

Maier, H. 235(1990)87

Main, M.V. 229(1990)101

Maitra, C. 208(1988)173

Maj, S.P. 238(1990)79

Maj-Zurawska, M. 218(1989)47, 236(1990)331

Mák, M. 241(1990)289

Malaki-Athanasiou, E. 219(1989)295

Malcolm, R.L. 232(1990)19

Malcomson, M.E. 246(1990)199

Malcovati, M. 249(1991)291

Male, K.B. 221(1989)215, 234(1990)465

Malik, W.U. 230(1990)91

Malinski, T. 249(1991)35

Malissa, Jr., H. 237(1990)451

Mandenius, C.F. 215(1988)71, 224(1989)31

Manetović, M. 229(1990)287

Mann, A. 209(1988)193

Manson, G.A. 235(1990)77

Mantsch, H.H. 240(1990)151

Manuel De Villena, J. 234(1990)309

Manz, J. 240(1990)119

Manzano Muñoz, T. 247(1991)61

Marassi, R. 219(1989)153

Marcano, E. 239(1990)229

Marcé, R.M. 242(1990)25

March, J.G. 207(1988)233, 229(1990)249

March, P. 219(1989)89

Marcos, J. 239(1990)211

Marcos, J.I. 240(1991)395

Marcott, C. 250(1991)131

Marczenko, Z. 226(1989)281

Marden, S.K. 247(1991)67

Mareček, V. 244(1991)15

Marek, M. 218(1989)151, 239(1990)263

Marenchic, I.G. 213(1988)131, 249(1991)67

Marengo, E. 210(1988)33, 235(1990)215

Marinsky, J.A. 232(1990)123, 232(1990)171

Marion, P. 238(1990)117

Mark, H. 223(1989)75 Mark, Jr., H.B. 237(1990)317, 248(1991)163

Markell, C.G. 236(1990)157

Märki, W. 213(1988)215

Marko-Varga, G. 206(1988)49, 213(1988)139, 225(1989)263, 234(1990)13, 246(1991)283, 249(1991)145, 250(1991)203

Markušová, K. 221(1989)131, 248(1991)109

Marletta, G.P. 201(1987)253, 220(1989)135

Marøy, K. 243(1991)227

Marques da Silva, B. 239(1990)87

Márquez, J. 215(1988)307

Márquez, M. 237(1990)353, 239(1990)221

Marquez Gomez, J.C. 205(1988)139, 205(1988)149

Marr, I.L. 207(1988)259

Marrazza, G. 231(1990)125, 242(1991)91

Mars, C. 228(1990)193

Marsden, A.B. 214(1988)447

Marshall, G.B. 202(1987)49

Marshall, G.D. 237(1990)329

Marsili, M. 210(1988)33, 235(1990)215

Marsman, J.H. 238(1990)129

Marston, A. 236(1990)63

Martelet, C. 231(1990)305, 249(1991)367

Martev, I. 240(1990)219

Martin, G.B. 237(1990)91

Martín, M.A. 205(1988)105, 205(1988)117, 205(1988)129, 245 (1991)217

Martin, P. 205(1988)129

Martin, S.K. 228(1990)155

Martinac, V. 231(1990)137

Martin-Bouyer, M. 233(1990)207

Martinez, S. 245(1991)139

Martinez, T. 201(1987)43, 207(1988)95

Martinez Calatayud, J. 231(1990)259, 233(1990)235, 245 (1991)101

Martínez-Jiménez, P. 215(1988)233

Martínez-Lozano, C. 209(1988)79, 244(1991)99

Martinho, E. 219(1989)317, 223(1989)287

Marty, J.-L. 228(1990)49 Marx, G. 201(1987)135 Marx, J.N. 243(1991)207

Marysael, H. 227(1989)203

Más, F. 239(1990)151

Mascini, M. 209(1988)223, 211(1988)195, 213(1988)101, 231 (1990)125, 242(1991)91

Mashiba, K. 214(1988)259 Masia, P. 204(1988)145

Masoom, M. 214(1988)173, 248(1991)219

Maspoch, S. 224(1989)23, 226(1989)271, 230(1990)221, 233 (1990)159, 234(1990)395

Massart, D.L. 223(1989)1, 223(1989)19, 225(1989)69, 246 (1991)379

Masschelein, W.J. 226(1989)121

Massé, R. 247(1991)211

Massiot, G. 242(1991)37

Massoumi, A. 232(1990)351

Masten, S.J. 248(1991)225

Masuda, Y. 224(1989)145

Masui, K. 237(1990)135

Mathur, N.C. 230(1990)91

Mathur, P.K. 239(1990)291 Matsoukas, K.A. 227(1989)211

Matsuda, R. 202(1987)187, 209(1988)45, 222(1989)301, 222 (1989)313

Matsui, M. 218(1989)25, 220(1989)111, 221(1989)179, 226 (1989)187, 232(1990)293, 239(1990)277, 244(1991)289, 248 (1991)501, 249(1991)525

Matsumoto, I. 241(1990)273

Matsumoto, M. 241(1990)273

Matsumoto, Y. 218(1989)129

Matsuo, H. 218(1989)173

Matsuo, M. 236(1990)281

Matsuoka, H. 217(1989)281

Matsuoka, S. 225(1989)313

Matsusaki, K. 248(1991)251

Matsushita, R. 248(1991)367

Matsushita, T. 231(1990)107

Matsuyama, T. 247(1991)283

Matthews, R.W. 231(1990)13, 233(1990)171

Mattiasson, B. 213(1988)79, 213(1988)121, 216(1989)299, 219 (1989)27, 249(1991)17, 249(1991)61, 249(1991)163

Mattos, I.L. 204(1988)259, 214(1988)247, 234(1990)153

Matusiewicz, H. 207(1988)349

Matuszewski, B.K. 227(1989)189

Matuszewski, W. 207(1988)59, 248(1991)379, 248(1991)391

Mauchien, P. 220(1989)235, 238(1990)291

Mäurer, F. 201(1987)289

Mayer, F. 213(1988)11

Mazur, M. 235(1990)135

Mazzanti, V. 235(1990)177

Mazzei, F. 221(1989)157

Mazzetto, G. 234(1990)425

Mazzocchin, G.-A. 208(1988)207, 211(1988)325, 219(1989)9, 219(1989)19, 238(1990)357, 244(1991)29

McAdoo, D.J. 247(1991)235

McAleer, J.F. 248(1991)361

McClintock, C.P. 237(1990)253

McCurley, M.F. 249(1991)373

McEntee, J. 226(1989)145

McGowan, K.A. 214(1988)391

McGuffin, V.L. 246(1991)65

McKay, K. 245(1991)83

McKelvie, I.D. 234(1990)409

McKenna, K. 206(1988)75

McKerrell, E.H. 204(1988)343, 212(1988)155

McKervey, M.A. 204(1988)223

McKillen, G.M. 217(1989)183

McLachlan, N.M. 204(1988)151

McLuckey, S.A. 225(1989)25

McMillan, D.C. 241(1990)255

McNeil, C.J. 237(1990)99, 245(1991)57

McPeters, H.L. 238(1990)83

McTaggart, D.R. 215(1988)13

Mead Jr, D.A. 204(1988)43, 204(1988)323

Mealet, C. 211(1988)205

Meaney, M. 217(1989)335

Mees, L. 211(1988)231

Mehra, H.C. 217(1989)383

Meier, H. 249(1991)405

Meier, R. 219(1989)281, 236(1990)315

Meissl, G. 205(1988)183

Meites, L. 204(1988)295, 211(1988)31, 221(1989)319

Mekenyan, Ov. 212(1988)317

Melcher, R.G. 214(1988)299

Melendez, L.H. 228(1990)235

Meli, M.A. 220(1989)103

Mellbin, G. 238(1990)71

Melloul, S. 249(1991)503

Melnik, O.T. 215(1988)289

Melzacka, M. 241(1990)261 Membiela, A. 249(1991)461

Memon, M.H. 201(1987)345

Menendez Fraga, P. 212(1988)181

Menéndez García, A. 234(1990)133

Meng, Y.M. 210(1988)219

Menzel, E.J. 205(1988)183

Merciny, E. 220(1989)187, 221(1989)325

Merighi, R. 205(1988)229

Merino Merino, I. 234(1990)127

Mermet, J.M. 250(1991)85

Mesa, J.A.G. 235(1990)441

Meseguer, J. 237(1990)181

Mesquita, M. 214(1988)397

Messina, A. 204(1988)145 Metcalfe, E. 242(1991)31, 250(1991)257

Meuleman, C. 229(1990)281, 234(1990)417

Meyer, E. 210(1988)135

Meyerhoff, M.E. 217(1989)123, 222(1989)95, 222(1989)109, 229(1990)47, 237(1990)115, 248(1991)379, 248(1991)391

Meyerhoff, M.R. 208(1988)31, 208(1988)43

Michałowski, J. 228(1990)287

Michalska, A. 233(1990)269

Michaylova, V. 207(1988)373, 232(1990)393

Michiels, F. 216(1989)25

Mickler, W. 245(1991)243

Middleton, R. 233(1990)101

Miertuš, S. 247(1991)83

Migliardi, M. 207(1988)161

Mignardi, M.A. 227(1989)331

Mihajlović, Lj. 212(1988)73, 229(1990)221

Mihajlović, R.P. 202(1987)231, 212(1988)73, 229(1990)221, 229(1990)287

Mikac, N. 212(1988)349

Mikulski, R. 236(1990)325

Miles, R. 234(1990)439

Mille, G. 242(1991)137

Miller, C. 249(1991)215

Miller, J.D. 232(1990)3

Miller, J.N. 227(1989)145, 227(1989)155

Miller, L.V. 241(1990)249

Miller, W.G. 227(1989)135

Millesi, H. 205(1988)183

Mills, K.A. 228(1990)235

Milne, P.J. 201(1987)127

Milosevic, M. 240(1991)251

Minero, C. 212(1988)171

Minon, G. 226(1989)121

Miranda Ordieres, A. 233(1990)281

Mise, K. 213(1988)273

Mishra, R.K. 208(1988)91, 237(1990)491

Mitchell, J.W. 217(1989)53

Mitri, M. 214(1988)433

Mitrović, A. 221(1989)91

Mitsui, T. 248(1991)329

Mittal, A. 228(1990)273

Miura, J. 233(1990)121, 237(1990)201

Miura, T. 248(1991)529

Miwa, T. 204(1988)339, 219(1989)1, 224(1989)1

Miyabayashi, A. 213(1988)79, 213(1988)121, 219(1989)27

Miyahara, M. 213(1988)273

Miyamoto, S. 235(1990)255

Miyashita, Y. 202(1987)237

Miyata, N. 226(1989)109

Miyazaki, K. 237(1990)155

Miyazaki, S. 220(1989)111, 221(1989)179, 226(1989)187, 239 (1990)277, 249(1991)525

Miyazaki, Y. 247(1991)283

Mizuike, A. 204(1988)339, 211(1988)293, 219(1989)1, 227 (1989)421

Mizuno, T. 217(1989)377, 236(1990)479

Mizutani, F. 236(1990)245, 245(1991)145

Mlakar, M. 221(1989)279, 247(1991)89

Mo, J. 236(1990)411

Mo, J.-Y. 222(1989)263

Mo, Z.-H. 215(1988)79, 217(1989)327, 229(1990)205, 230 (1990)51, 246(1991)421, 246(1991)425

Mocák, J. 209(1988)87

Moens M. 216(1989)25

Mogilnitsky, M.M. 222(1989)335

Mohammed, A.K. 243(1991)239

Mohite, B.S. 206(1988)363

Moll, R. 235(1990)189

Möller, J. 214(1988)121, 244(1990)109

Molnár-Perl, I. 202(1987)159, 239(1990)165

Momin, S.A. 244(1991)71

Mondovi', B. 237(1990)391

Moneyhun, J.H. 236(1990)213

Mongay Fernández, C. 223(1989)419, 237(1990)473

Monseur, X. 204(1988)127

Montenegro, M.C.B.S.M. 234(1990)221

Montero, R. 215(1988)241, 234(1990)433

Montesinos, J.L. 234(1990)67

Moody, G.J. 222(1989)211

Mopper, K. 201(1987)127, 231(1990)299, 236(1990)363, 237 (1990)215

Moraes, N.M.P. 236(1990)487

Morales, M.T. 238(1990)411

Morales, R. 246(1991)171

Morales Rubio, A. 235(1990)405

Morante, C. 249(1991)479

Morelis, R.M. 231(1990)27

Morelli, B. 209(1988)175

Moreno Cordero, B. 230(1990)217, 234(1990)239

Morf, W.E. 218(1989)47, 233(1990)41

Morgan, E.D. 236(1990)145, 236(1990)227

Morgan, J.W. 222(1989)291

Morgan, M.S. 215(1988)325

Morimoto, M. 220(1989)293

Morin, M. 219(1989)67

Moriyama, H. 219(1989)123

Moronta, A.J. 236(1990)449

Morrison, G.M.P. 209(1988)97

Morvai, M. 239(1990)165

Mosby, V. 208(1988)195, 237(1990)345 Moscone, D. 211(1988)195, 213(1988)101

Moser, D. 235(1990)221

Mosler, H. 224(1989)47

Motojima, K. 218(1989)77

Motomizu, S. 211(1988)119, 214(1988)289, 214(1988)455, 220

(1989)275, 229(1990)121, 246(1991)333

Motta, R. 227(1989)29

Motte, J.C. 204(1988)127

Mottola, H.A. 207(1988)331, 224(1989)305, 233(1990)235, 242

(1991)233, 242(1991)241, 249(1991)395

Moulin, C. 220(1989)235, 238(1990)291

Mowrer, J. 221(1989)259

Moylan, C.R. 240(1991)377

Mozersky, S.M. 231(1990)249

Mucci, A. 229(1990)227

Mugnier, J. 227(1989)129

Mühl, P. 224(1989)47, 228(1990)229

Mukai, H. 220(1989)111, 221(1989)179, 239(1990)277, 249 (1991)525

Mulchandani, A. 221(1989)215, 234(1990)465

Mulholland, M. 223(1989)183, 228(1990)145, 235(1990)27

Mullen, W.H. 237(1990)99

Müller, C. 206(1988)65

Muller, F.L.L. 245(1991)21

Müller, H. 230(1990)113, 242(1991)65, 243(1991)179

Müller, K.P. 236(1990)197

Müller, M. 220(1989)207

Müller, V. 230(1990)113

Müller, W. 213(1988)47

Müllner, S. 249(1991)271

Munaf, E. 235(1990)399, 243(1991)247

Münch, U. 223(1989)247

Mungal, R. 249(1991)387

Munk, M.E. 216(1989)57

Muñoz-Botella, S. 227(1989)297 Muñoz De La Peña, A. 234(1990)263

Murakami, M. 219(1989)1

Murakami, S. 237(1990)245

Murakami, T. 235(1990)255

Muramatsu, H. 215(1988)91, 217(1989)321, 225(1989)399, 249 (1991)323

Murata, H. 239(1990)139

Muromatsu, A. 237(1990)245

Murphy, S.J. 236(1990)145

Murti, S.S. 219(1989)177

Murugaiah, V. 246(1991)241

Musashi, M. 231(1990)147

Musch, G. 223(1989)1

Musil, S. 209(1988)87

Musselman, I.H. 243(1991)139

Mussini, P.R. 207(1988)211

Musuku, A. 244(1991)1

Muta, A. 217(1989)281

Nacapricha, D. 246(1991)325, 246(1991)329

Naeser, P. 206(1988)357

Nagabhushan, T.L. 241(1990)315

Nagamura, T. 240(1991)329, 245(1991)199

Nagaoka, T. 220(1989)269, 222(1989)127, 225(1989)83

Nagaosa, Y. 235(1990)279

Nagashima, K. 222(1989)211

Nagel, B. 213(1988)227

Nagels, L.J. 234(1989)75

Nagels, M. 211(1988)91

Nagy, G. 241(1990)43, 241(1990)55

Naidu, G.R.K. 249(1991)533

Nakabayashi, A. 221(1989)99

Nakagama, T. 217(1989)371, 231(1990)7

Nakagawa, G. 211(1988)213, 212(1988)253, 214(1988)439, 220 (1989)293, 223(1989)339, 237(1990)135

Nakahara, T. 231(1990)1

Nakai, S. 248(1991)41

Nakai, T. 207(1988)367

Nakajima, K. 235(1990)413

Nakako, M. 202(1987)131, 212(1988)49

Nakamura, M. 215(1988)267, 221(1989)163, 223(1989)319, 231(1990)1, 242(1991)113

Nakamura, T. 209(1988)287, 218(1989)111, 238(1990)351

Nakamura, Y. 237(1990)237, 242(1991)131

Nakanishi, S. 225(1989)283

Nakano, K. 247(1991)201

Nakao, I. 234(1990)359

Nakareseisoon, S. 204(1988)169

Nakashima, K. 207(1988)77

Nakashima, S. 207(1988)291

Nakasuka, N. 207(1988)361

Nakata, R. 208(1988)81

Nakayama, E. 218(1989)25, 224(1989)55

Nakayama, M. 201(1987)351

Nalbach, U. 213(1988)55

Namboodiri, K. 210(1988)151

Namieśnik, J. 237(1990)1

Narasimhan, S.V. 212(1988)335, 229(1990)149, 239(1990)291

Narayanaswamy, R. 213(1988)251, 220(1989)75, 244(1991)71

Narinesingh, D. 230(1990)131, 232(1990)273, 249(1991)387

Narsito 244(1991)129, 237(1990)189

Narusawa, Y. 204(1988)53

Naser, N. 234(1990)315, 242(1991)259

Nater, E.A. 220(1989)83, 225(1989)233

Natsume, Y. 219(1989)123

Navaratne, A. 237(1990)107

Navarro, J.L. 212(1988)309

Navrátilová, Z. 244(1991)193

Naylor, S. 241(1990)201, 241(1990)233, 241(1990)281, 247 (1991)151

Nazarova, N.Yu. 215(1988)289

Nazhat, N.B. 204(1988)349

Ndiomu, D.P. 213(1988)237

Nederlof, M.M. 232(1990)189

Neeb, R. 208(1988)337

Neely, W.C. 215(1988)353

Neff, V.D. 239(1990)7

Neill, P.H. 233(1990)149

Neils, T.L. 233(1990)229

Nelson, A. 207(1988)47

Nelson, D.M. 238(1990)263

Nelson, G. 207(1988)251

Németh, M. 209(1988)87

Nese, A. 207(1988)211

Neshkova, M.T. 242(1991)73

Neu, M. 239(1990)53

Neubauer, H.-P. 249(1991)271

Neville, G.A. 240(1991)287

Newton, R.P. 247(1991)161, 247(1991)177, 247(1991)187

Neybergh, H. 222(1989)55

Ng, K.H. 218(1989)345

Ngo, T.T. 230(1990)131, 232(1990)273, 249(1991)387

Ngoviwatchai, A. 215(1988)1

Ni, Z.-M. 217(1989)271, 221(1989)85

Nianyi, C. 210(1988)175

Nicoletti, I. 204(1988)145

Nie, L.-H. 209(1988)213, 215(1988)79, 217(1989)327, 229 (1990)205, 230(1990)51, 246(1991)421, 246(1991)425

Niedtner, R. 238(1990)55

Nielsen, J. 214(1988)137, 237(1990)165, 247(1991)45, 249 (1991)123

Nieman, T.A. 205(1988)195

Nikolajsen, K. 214(1988)137, 237(1990)165

Niles, R. 221(1989)53

Nilsson, M. 249(1991)61, 249(1991)163

Nimmo, M. 232(1990)149

Nishi, H. 236(1990)281

Nishi, S. 229(1990)3

Nishida, A. 214(1988)229

Nishitani, A. 227(1989)21 Niskavaara, H. 231(1990)273

Nisman, R. 248(1991)143

Nita, K. 204(1988)113

Nitta, A. 208(1988)81

Njenga, L.W. 212(1988)133 Nnodimele, R.A. 229(1990)291

Nóbrega, J.A. 214(1988)397, 245(1991)211

Noda, I. 250(1991)131

Noda, Y. 245(1991)35

Noël, D. 217(1989)135

Noguchi, Y. 204(1988)339

Nogueiras, L. 238(1990)95

Nohta, H. 208(1988)59, 217(1989)263

Noid, D.W. 235(1990)143

Nomizu, T. 211(1988)293

Nomura, A. 229(1990)3

Nomura, T. 237(1990)135, 243(1991)273, 245(1991)71, 248 (1991)329

Nonidez, W.K. 233(1990)59 Nonova, D. 207(1988)373 Nordhoff, E. 241(1990)175

Norén, J.G. 241(1990)299

Noufi, M. 228(1990)117, 234(1990)475 Nourse, B.D. 210(1988)63, 228(1990)1

Novič, M. 243(1991)131 Novikov, E.A. 230(1990)157 Nowak, G. 235(1990)135 Nozaki, O. 205(1988)255 Nukatsuka, I. 248(1991)529 Núñez, M.D. 234(1990)269

Nurchi, V. 222(1989)359, 239(1990)157

Nuzillard, J.-M. 242(1991)37 Nyasulu, F. 220(1989)287 Nyberg, F. 238(1990)331 Nyholm, L. 223(1989)429 Nyiredy, S. 236(1990)83

Obata, Y. 232(1990)389 Obergfell, P. 234(1990)141 Oberink, J.W. 249(1991)257 Oberrauch, E. 235(1990)177 Obokata, T. 225(1989)425 O'Connell, K. 236(1990)251 Oda, K. 225(1989)273 Oda, T. 244(1991)275 Odashima, T. 244(1991)223 Odelius, H. 241(1990)299 Oeggerli, A. 238(1990)101

Ogi, M. 224(1989)133 Ogura, K. 220(1989)269, 222(1989)127, 225(1989)83

O'Halloran, K.R. 249(1991)519 O'Halloran, R.A.J. 237(1989)149 Ohara, M. 242(1991)57 O'Hara, P.B. 205(1988)161

Ohba, Y. 205(1988)255 Ohkura, T. 241(1990)273

Ogbomo, I. 249(1991)137

Ohkura, Y. 201(1987)351, 207(1988)243, 208(1988)59, 215 (1988)259, 217(1989)263, 248(1991)213

Öhman, P. 221(1989)77

Ohno, N. 214(1988)271, 221(1989)109

Ohshima, H. 232(1990)385

Ohta, K. 217(1989)377, 236(1990)479

Ohtsuka, C. 223(1989)339 Ohura, H. 214(1988)349 Ohzeki, K. 248(1991)529 Ohzora, H. 237(1990)155 Oi, T. 231(1990)147 Oikawa, K. 233(1990)135

Okada, T. 221(1989)117, 230(1990)9

Okamoto, A. 214(1988)415 Okamoto, N. 228(1990)101

Okamoto, Y. 218(1989)173, 228(1990)23, 228(1990)31, 232

(1990)389, 239(1990)139, 248(1991)155 Okazaki, S. 240(1991)329, 245(1991)199 Okazaki, T. 208(1988)325, 209(1988)327

O'Kennedy, R. 212(1988)355 Okubo, K. 209(1988)287

Okudaira, K. 226(1989)109 Okuma, H. 244(1991)161

Okumura, K. 228(1990)159, 236(1990)441, 239(1990)13

Okutani, T. 208(1988)351 Okuyama, T. 202(1987)237 Olberding, E.L. 236(1990)173 Oldham, K.B. 216(1989)177 Oleksy-Frenzel, J. 233(1990)77 Oliphant, N. 218(1989)101

Olive, J. 201(1987)193, 219(1989)257, 248(1991)59, 249(1991) 337

Oliveira, P.V. 245(1991)211 Olivieri, A.C. 233(1990)315 Olling, M. 225(1989)137 Olson, D.C. 220(1989)55 Olson, D.L. 237(1990)381

Olsson, B. 206(1988)49, 209(1988)123

Olsson, L. 224(1989)31

Olthuis, W. 229(1990)71, 237(1990)71

Olucha, J.C. 242(1990)25

Oms, M.T. 228(1990)293, 233(1990)159

Onar, A.N. 229(1990)145 Onishi, H. 232(1990)287 Onizuka, K. 232(1990)389 Onoda, M. 214(1988)289 Onofrey, T.J. 228(1990)235 Ooms, J.B. 250(1991)45 Opekar, F. 203(1987)1 Ordieres, A.J.M. 202(1987)141

O'Reilly, A.M. 204(1988)247 Ormaza-González, F.I. 244(1991)63

Orosz, G. 247(1991)141 Orrit, J. 229(1990)267 Ortega, M.G. 229(1990)153 Ortiz, P.I. 249(1991)395 Ortiz, R. 215(1988)307

Ortner, H.M. 233(1990)243 Osei-Twum, E.Y. 235(1990)375

O'Shea, T. 224(1989)65

Oshima, M. 211(1988)119, 229(1990)121

Osipov, A.P. 237(1990)285 Ossaka, T. 231(1990)147 Osteryoung, J. 234(1990)275 Östman, C.E. 208(1988)183 Osuga, T. 227(1989)21 O'Sullivan, J.E. 232(1990)161 Otero, J.C. 240(1991)395

Otto, M. 235(1990)169, 236(1990)315, 239(1990)61

Oude Elferink, R.F.M. 211(1988)43 Oudejans, R.C.H.M. 248(1991)553

Oudsema, J.W. 236(1990)3

Oyama, M. 240(1991)329, 245(1991)199

Oyama, Y. 248(1991)367 Ozaki, M. 217(1989)61

Ozaki, T. 211(1988)213, 226(1989)187

Ozinga, W. 211(1988)99 Ozkan, G. 234(1990)339

Ozsoz, M. 234(1990)315, 245(1991)139

Pacey, G.E. 204(1988)169, 209(1988)157, 214(1988)385, 214 (1988)391, 224(1989)383, 237(1990)503, 245(1991)235

Padovani, P. 241(1990)209

Padrón, G. 223(1989)361, 239(1990)301

Paek, S.-H. 248(1991)517

Pai, S.-C. 211(1988)257, 211(1988)271, 229(1990)115, 232(199)345

Pal, B.K. 206(1988)345

Palleschi, G. 209(1988)223, 213(1988)101, 234(1990)459, 245 (1991)63, 245(1991)151

Palma, Sr., R.J. 241(1990)115

Palmer, P.T. 215(1988)169

Palmisano, F. 207(1988)183

Palshis, E.M. 212(1988)331

Pałys, M. 231(1990)59, 248(1991)429

Pancheva, E.M. 242(1991)73

Pannocchia, G. 234(1990)425

Pant, B.C. 232(1990)43

Pantel, S. 202(1987)1, 203(1987)91

Pap, T.L. 248(1991)441

Papanastasiou, G. 221(1989)295, 222(1989)189, 229(1990)261

Papoff, P. 247(1991)73

Papoušek, D. 240(1990)167

Pardue, H.L. 216(1989)69, 220(1989)23, 224(1989)243, 224 (1989)289, 224(1989)351, 237(1990)413

Paré, J.R.J. 241(1990)227

Pariente, F. 242(1991)267

Paris, A. 241(1990)265

Parisi, A.F. 238(1990)95

Parker, G.F. 236(1990)423

Parker, K.S. 238(1990)171

Parmentier, F. 234(1989)75

Parolis, H. 241(1990)187

Parolis, L.A.S. 241(1990)187

Parreaux, D. 238(1990)257

Parvoli, G. 224(1989)119, 244(1991)9

Pascual, C.B. 224(1989)97

Pasquini, C. 245(1991)183

Pastore, P. 223(1989)193, 230(1990)29, 239(1990)95

Pastorelli, N. 225(1989)159

Patel, K.S. 208(1988)91, 237(1990)491

Patonay, G. 207(1988)251, 232(1990)239

Patriarche, G.J. 206(1988)369, 236(1990)299, 242(1991)91

Patterson, H.H. 206(1988)263

Patterson, J.E. 226(1989)99

Pattichis, K. 247(1991)151

Patton, B.D. 215(1988)13

Pattyn, G.G.O. 247(1991)229

Paturel, L. 233(1990)207

Pavlović, M.S. 209(1988)185

Pawlak, M.K. 202(1987)85, 202(1987)97

Payer, K. 220(1989)1, 241(1990)71

Payne, B.P. 226(1989)183

Peake, D.A. 228(1990)169

Pedersen, K.M. 238(1990)191

Pedersen, N.H. 238(1990)139

Peeters, A. 223(1989)1

Peguin, S. 222(1989)83

Pekov, G. 232(1990)413

Pelemans, W. 247(1991)243

Pelizzetti, E. 212(1988)171

Pellerin, F. 201(1987)145

Pelletier, M. 231(1990)115

Peña, J.M. 244(1991)81

Percelay, L. 209(1988)249

Pereira, W.E. 228(1990)69

Pérez, C. 243(1991)121

Perez-Bendito, D. 212(1988)223, 217(1989)239, 218(1989)313, 222(1989)269, 224(1989)185, 225(1989)115, 228(1990)123,

229(1990)27, 230(1990)145, 237(1990)207, 237(1990)353,

239(1990)221, 242(1991)147, 244(1991)81

Pérez Conde, C. 230(1990)35 Pérez López, J.A. 244(1991)49

Perez Pavon, J.L. 230(1990)217, 234(1990)239

Pérez-Ruiz, T. 209(1988)79, 244(1991)99

Perez Trancon, J. 228(1990)317

Perrot, H. 231(1990)305

Perry, L.M. 225(1989)415, 237(1990)273

Persson, B. 249(1991)43, 250(1991)203

Persson, J.-Å. 244(1990)109

Pescada, C. 226(1989)229, 226(1989)239

Pessenda, L.C.R. 214(1988)239

Petersen, K. 215(1988)277

Petersen, W. 248(1991)77

Petersson, B.A. 209(1988)231, 209(1988)239

Petilino, R. 227(1989)29

Petkovski, D. 210(1988)109

Petr, R. 239(1990)19

Petrich, M. 228(1990)229

Petró-Turza, M. 239(1990)165

Petrucci, F. 248(1991)241

Petsev, N. 232(1990)413

Pettine, M. 209(1988)315

Petty, M.C. 240(1990)29, 240(1991)305

Pia, S.H. 231(1990)21

Piazzi, S. 205(1988)229

Piccardi, G. 202(1987)151

Pihlar, B. 243(1991)71, 243(1991)131

Pijpers, F.W. 233(1990)155

Pilloton, R. 213(1988)101

Pinckney, D.J. 232(1990)31

Pinel, R. 228(1990)129

Pingarrón, J.M. 234(1990)309

Pingarrón Carrazón, J.M. 216(1989)231, 246(1991)293

Pinillos, J.L. 221(1989)173

Pintér-Szakács, M. 202(1987)159, 239(1990)165

Pita-Calvo, C. 231(1990)321

Piu, P. 226(1989)315, 248(1991)301

Plant, A.L. 228(1990)107

Plaskoň, V. 228(1990)259

Plavšić, M. 232(1990)131

Pletcher, D. 246(1991)267, 248(1991)173

Plit, L. 248(1991)271

Plötz, F. 249(1991)25

Pobi, M. 242(1991)107

Pobozy, E. 222(1989)109

Poch, M. 234(1990)67, 241(1990)31

Poe, R.B. 250(1991)37

Pohl, H.-J. 223(1989)247

Pohlmann, A. 235(1990)329

Polášek, M. 212(1988)279, 218(1989)151, 246(1991)283

Pollevoy, Y. 249(1991)503

Polo, L.M. 234(1990)309

Polo-Diez, L.M. 206(1988)351, 216(1989)231, 218(1989)167,

219(1989)329, 246(1991)293

Pomaville, R.M. 225(1989)193

Pons, M.N. 213(1988)231, 219(1989)309, 238(1990)117, 238 (1990)243

Poole, C.F. 216(1989)109, 218(1989)241, 225(1989)193, 236 (1990)3, 236(1990)51

Poole, S.K. 216(1989)109, 218(1989)241, 236(1990)3, 236 (1990)51

Pope, A. 230(1990)131

Poppe, H. 228(1990)39

Porcelli, F. 221(1989)157

Porretta, S. 238(1990)231

Porter, C.D. 240(1991)273

Porter, M.D. 217(1989)31

Portmann, P. 206(1988)173

Postaire-Vigreux, M. 225(1989)217

Postma Kelder, S.J. 233(1990)251, 234(1990)285

Potter, N.M. 221(1989)167

Pouget, J. 227(1989)129

Poulou, M. 223(1989)309

Powell, H.K.J. 207(1988)103, 211(1988)141, 228(1990)327, 248 (1991)95, 249(1991)451

Pozzi, M. 207(1988)211

Pracna, P. 240(1990)167

Pradeau, D. 225(1989)217

Pradella, M. 223(1989)269, 223(1989)293

Pramanik, B.N. 241(1990)315

Pramauro, E. 212(1988)171

Pranitis, D.M. 217(1989)123

Prasada Rao, M.S. 242(1991)229

Prasada Rao, T. 242(1991)215

Prat, M.D. 227(1989)219

Pratt, K.W. 215(1988)21

Preston, T. 241(1990)255

Pretsch, E. 206(1988)161, 206(1988)173, 229(1990)17, 233 (1990)213, 248(1991)415

Prevot, M. 223(1989)309

Prieto, H. 238(1990)95

Prinzing, U. 249(1991)137

Prochaska, K. 206(1988)215

Prognon, P. 211(1988)333, 227(1989)319

Pruski, M. 217(1989)31

Przybylski, M. 241(1990)289

Przybyt, M. 237(1990)399, 239(1990)269

Przyjazny, A. 226(1989)213, 246(1991)103

Pu, B.Y. 246(1991)347

Puchwein, G. 223(1989)95

Puhakka, O. 207(1988)195

Pulay, P. 240(1990)159

Pungor, E. 201(1987)109, 208(1988)117, 208(1988)133, 216 (1989)163, 234(1990)49, 234(1990)57, 241(1990)43, 241 (1990)55, 243(1991)55

Purcell, M. 249(1991)55

Puri, B.K. 230(1990)17

Pusterhofer, J. 205(1988)1

Puzic, R. 238(1990)161

Pyrzyńska, K. 238(1990)285

Qi, D. 248(1991)177

Qi, W. 214(1988)279

Qian, C. 221(1989)353

Qian, J. 244(1991)165

Quentel, F. 230(1990)83

Quiñones, Y. 223(1989)361

Quintana, M. 239(1990)301 Quintero, M.C. 222(1989)269

Racek, J. 239(1990)19

Radić, N. 231(1990)137

Radtke, D.E. 231(1990)317

Radzi, A.M.B.M. 209(1988)363, 225(1989)323

Raemdonck, A. 234(1990)187

Rahn, R.O. 248(1991)595

Rajaković, L. 217(1989)111

Rajan, S.C.S. 219(1989)177

Rama Devi, P. 249(1991)533

Rama Mohan Rao, A. 242(1991)229

Ramirez, M. 239(1990)229

Ramírez, M.T. 246(1991)435

Ramis Ramos, G. 204(1988)247, 208(1988)1, 220(1989)145, 223(1989)327, 223(1989)419, 235(1990)317, 237(1990)473, 242(1991)143

Ramos Rubio, A.L. 205(1988)139, 205(1988)149

Ramsay, G. 215(1988)61

Ramsey, M.H. 206(1988)203

Ramsey, R.S. 236(1990)213

Ramstad, T. 204(1988)95

Ramuz, H. 228(1990)155

Ranc, M.L. 248(1991)183

Rangarajan, S. 239(1990)291

Rantala, R.T.T. 220(1989)263

Ranville, J. 249(1991)509

Rao, C.R.M. 237(1990)251, 244(1991)245

Rao, D. 241(1990)265

Rao, T.H. 237(1990)325

Rapsomanikis, S. 248(1991)563

Rapta, M. 230(1990)163

Raschke, U. 238(1990)55

Rashid, F. 238(1990)427

Rasmussen, E.M. 235(1990)77

Rassmann, U. 241(1990)147

Ratcliffe, N.M. 239(1990)257 Rathore, H.P.S. 242(1991)225

Rathore, H.S. 209(1988)223

Rattaiah, G.V. 214(1988)439

Rattanariderom, S. 243(1991)187

Raurich, J.G. 234(1990)221

Rautschek, H. 243(1991)179

Ravenscroft, J.E. 212(1988)1, 235(1990)287

Razinger, M. 210(1988)63

Readman, J. 207(1988)47

Realini, F. 214(1988)367, 234(1990)167

Rechnitz, G.A. 222(1989)247, 234(1990)453, 237(1990)91, 237 (1990)107, 243(1991)1, 243(1991)157

Reddi, G.S. 237(1990)251, 244(1991)245

Reddy, D. 229(1990)9

Reddy, M.L.P. 242(1991)215

Reddy, M.M. 232(1990)123

Reents, Jr., W.D. 237(1990)83

Reeves, R.D. 232(1990)317

Regnier, F.E. 249(1991)185 Rehr, B. 249(1991)25

Reich, G. 201(1987)153, 201(1987)171

Reijn, J.M. 204(1988)29, 248(1991)473, 248(1991)483

Rein, J. 236(1990)99, 248(1991)263

Reinerink, E.J.M. 227(1989)49

Reinhardt, B. 225(1989)253, 238(1990)201, 249(1991)25

Reinhoudt, D.N. 201(1987)117, 230(1990)59, 230(1990)67, 231(1990)41, 233(1990)251, 234(1990)285, 245(1991)159, 248(1991)307

Reis, B.F. 206(1988)253, 214(1988)397, 222(1989)379, 226 (1989)129, 234(1990)207, 245(1991)211

Rempel, D.L. 250(1991)105

Ren, X. 238(1990)307

Ren, Y. 222(1989)323, 234(1990)483

Renjun, Z. 210(1988)195

Renman, L. 201(1987)1, 201(1987)263, 201(1987)269, 202 (1987)117, 202(1987)123, 207(1988)17, 207(1988)27, 207 (1988)37, 208(1988)237, 208(1988)301, 209(1988)339

Reslow, M. 219(1989)27

Rethwisch, D.G. 222(1989)221

Reviejo García, A.J. 216(1989)231, 246(1991)293

Rhee, J.-S. 220(1989)55

Rhines, T.D. 227(1989)387, 231(1990)231

Riba, J. 234(1990)395

Rice, P.D. 221(1989)239

Ridder, C. 217(1989)303

Rigano, C. 222(1989)385

Riggin, A. 249(1991)185

Riggin, R.M. 249(1991)201

Rigin, V.I. 231(1990)85

Rigo, A. 237(1990)391

Rigolin, F. 223(1989)269, 223(1989)293

Riley, C. 201(1987)335

Riley, J.P. 222(1989)43, 229(1990)115, 232(199)345

Rinne, D. 220(1989)207

Ríos, A. 211(1988)281, 211(1988)287, 214(1988)375, 216(1989) 275, 224(1989)127, 224(1989)169, 234(1990)227, 239(1990) 211

Ríos Castro, A. 241(1990)153

Risinger, L. 224(1989)13, 231(1990)165

Ristić-Šolajić, M. 226(1989)293

Rius, F.X. 225(1989)69, 239(1990)311, 242(1990)25

Rivas, C. 234(1990)253

Rivier, J. 249(1991)215

Rizk-Ouaini, R. 231(1990)161

Rizzo, A. 204(1988)233

Ro, C.-U. 243(1991)139

Roberge, H. 217(1989)135

Roberts, E.C. 236(1990)131

Roberts, J.A. 201(1987)311

Robien, W. 233(1990)213, 248(1991)415

Robles, L.C. 247(1991)19

Rocks, B.F. 201(1987)335

Roda, A. 202(1987)175, 205(1988)229, 227(1989)29

Rodgers, A.H. 239(1990)121

Rodriguez Flores, J. 212(1988)355

Rodriguez-Gamonal, V. 206(1988)351

Rodriguez Garcia, E. 230(1990)217

Rodriguez Procopio, J. 234(1990)175

Roekens, E. 204(1988)179

Rogge, M. 220(1989)207

Rogstad, A. 222(1989)35

Rohwedder, J.J.R. 222(1989)379

Rojas, I. 239(1990)301

Rojas-Hernández, A. 246(1991)435

Roland, U. 240(1991)363

Romagnoli, R. 234(1990)331

Romei, C. 245(1991)177

Romero, R.A. 236(1990)449

Rondinini, S. 207(1988)211

Ronsick, C.S. 249(1991)297

Rood, H.D. 236(1990)115

Roos, T. 205(1988)249

Root, D.P. 225(1989)105, 236(1990)445

Roque, N.F. 236(1990)501

Rosales, D. 228(1990)301

Roscoe, G.E. 234(1990)439

Röse, P. 235(1990)65, 235(1990)163

Rosen, M.A. 205(1988)161

Rosés, M. 204(1988)311

Rosman, K.J.R. 235(1990)367

Rossano, Jr., A.J. 236(1990)131

Rossi, G. 244(1991)247, 244(1991)253

Rostad, C.E. 228(1990)69

Rouillier, M.C. 238(1990)117

Rouilly, M. 218(1989)47

Rousseau, J.L. 201(1987)145

Rowe, G.K. 246(1991)233

Rowley, S.J. 216(1989)147

Roy, B. 249(1991)349

Roy, D.N. 229(1990)277

Rubio, A.L.R. 228(1990)293

Rubio, S. 224(1989)185, 229(1990)27, 237(1990)207, 244(1991) 81

Rubio-Barroso, S. 206(1988)351, 218(1989)167

Rück, A. 227(1989)227

Rudewicz, P.J. 241(1990)273

Rudolph, J. 236(1990)197

Ruf, H. 211(1988)317

Ruiz Barrio, A. 246(1991)293

Runqing, W. 210(1988)189

Ruoff, P. 219(1989)147

Rusling, J.F. 235(1990)307

Russell, D.A. 220(1989)75

Russell, G.C. 237(1990)317 Russeva, E. 219(1989)127

Rusterholz, B. 233(1990)295

Rutan, S.C. 215(1988)131, 224(1989)243, 224(1989)315, 246

(1991)1, 250(1991)37

Rutgeerts, P. 247(1991)223, 247(1991)243

Rüther, F. 238(1990)201, 249(1991)25

Rüttinger, H.H. 202(1987)75

Ruz, J. 211(1988)281

Ruzicka, J. 204(1988)7, 214(1988)1, 214(1988)197, 216(1989)

243, 218(1989)291, 218(1989)303, 224(1989)373, 234(1990)

31, 237(1990)329, 249(1991)77, 249(1991)451

Rytter, E. 240(1990)61

Saab, W. 248(1991)235

Saad, I. 213(1988)267

Saadalla-Nazhat, R.A. 204(1988)349

Saakes, A. 233(1990)321

Saastamoinen, A. 217(1989)353

Sabatini, S. 237(1990)391

Saber, A. 233(1990)207

Sacco, P. 206(1988)289

Safavi, A. 232(1990)351, 244(1991)231

Saha, B. 248(1991)615

Sahao Jr., J. 217(1989)85

Sahm, H. 249(1991)25 Sai, P.S.T. 242(1991)215

Saigne, C. 203(1987)11

Saini, G. 212(1988)171

Saini, S. 245(1991)133, 249(1991)1

Saito, K. 237(1990)245

Saito, M. 236(1990)351, 242(1991)117 Saito, Y. 205(1988)29, 226(1989)109

Saitta, M. 220(1989)135

Saka Amini, M.A. 245(1991)129

Sakai, H. 221(1989)249, 230(1990)189

Sakai, K. 247(1991)13

Sakai, T. 214(1988)271, 221(1989)109, 244(1991)289, 248

(1991)501

Sakaki, K. 243(1991)109

Sakamaki, S. 219(1989)181

Sakamoto, H. 206(1988)273

Sakamoto-Arnold, C.M. 201(1987)83

Sakashita, H. 208(1988)81

Sakharuk, T.A. 249(1991)331

Sala, G. 235(1990)209

Salako, L.A. 206(1988)339

Salinas, F. 233(1990)289, 234(1990)263

Saller, H. 210(1988)33

Salles, C. 241(1990)265

Salvador, A. 224(1989)123, 234(1990)253, 238(1990)417

Salvador Carreño, A. 235(1990)405

Salvi, A.M. 243(1991)61

Salzer, R. 240(1991)363

Samanifar, M. 215(1988)249

Sammartano, S. 222(1989)385

Sammells, A.F. 217(1989)101, 226(1989)153

Samson, R. 213(1988)165

Sanchez, F.G. 222(1989)177, 228(1990)293

Sanchez, J. 228(1990)251

Sanchez-Batanero, P. 236(1990)299

Sanchez Perez, A. 225(1989)247

Sanchez Rodriguez, R.M. 225(1989)247

Sanchez Rojas, F. 224(1989)153

Sanchez Saez, J.J. 247(1991)295

Sánchez Uría, E. 234(1990)133

Sandei, L. 238(1990)231

Sanders, J. 222(1989)19

Sanders, J.K.M. 241(1990)281

Sandra, P. 227(1989)303

Sanji, M. 211(1988)293

Sanke Gowda, H. 209(1988)293

Sano, A. 201(1987)77, 225(1989)351, 234(1990)359

Sano, T. 220(1989)13

Santana, J.J. 202(1987)207

Santos, L.M. 206(1988)85

Santosa, S.J. 237(1990)189

Santos-Delgado, M.J. 219(1989)329

Santucci, E. 233(1990)85

Sanz, J.F. 228(1990)301

Sanz-Medel, A. 212(1988)181, 212(1988)235, 225(1989)339, 234(1990)127, 234(1990)133, 234(1990)181, 234(1990)233,

238(1990)297

Sanz-Nebot, V. 244(1991)183

Sarantonis, E.G. 239(1990)195

Saraswati, R. 237(1990)325

Sarda, A. 248(1991)235

Sargi, L. 227(1989)319

Saris, T. 222(1989)1

Sárkány, J. 240(1990)139

Sarzyńska, J. 240(1991)277

Sasaki, H. 221(1989)109

Sasaki, S. 217(1989)61, 239(1990)73

Sasaki, S.-I. 202(1987)237, 215(1988)155, 219(1989)213, 220

(1989)155, 225(1989)89

Sasaki, Y. 218(1989)77, 244(1991)239

Sasson, Y. 238(1990)389

Satake, M. 230(1990)17, 237(1990)201

Sato, H. 206(1988)281, 246(1991)405

Sato, J. 209(1988)287

Sato, K. 207(1988)367, 236(1990)459

Sato, T. 230(1990)195

Sato, Y. 209(1988)351

Satoh, I. 214(1988)409, 214(1988)415

Sauerbrei, A. 238(1990)211

Saulnier, J.M. 247(1991)79

Sausa, K. 208(1988)255

Savolainen, K. 212(1988)297

Savory, J. 224(1989)83

Sawa, Y. 220(1989)293

Sawamoto, H. 228(1990)307, 243(1991)251

Sawatzki, J. 240(1991)239

Scandola, M. 232(1990)253

Scarano, G. 245(1991)177

Schaffar, B.P.H. 217(1989)1, 225(1989)293

Scharff, J.P. 212(1988)105

Schasfoort, R.B.M. 238(1990)323

Scheeline, A. 237(1990)381

Scheeren, P.J.H. 215(1988)143, 226(1989)53, 226(1989)73

Scheggi, A.M. 207(1988)343

Scheller, F. 243(1991)17

Schelp, C. 249(1991)25

Schepens, P.J.C. 244(1991)1

Scheper, T. 213(1988)47, 226(1989)87, 238(1990)201, 238

(1990)211, 249(1991)25, 249(1991)113

Schiavon, G. 221(1989)27

Schiemenz, H. 213(1988)55

Schirone, A. 232(1990)337

Schlue, W.-R. 226(1989)247

Schmalz, M. 249(1991)271

Schmid, E.R. 241(1990)241, 241(1990)321

Schmid, R.D. 225(1989)293, 234(1990)83, 234(1990)107, 234

(1990)113, 234(1990)213, 234(1990)247, 245(1991)1, 248 (1991)351

Schmidt, H.-L. 249(1991)137

Schmidt, Th. 228(1990)55

Schmidt, W. 207(1988)225

Schmit, J.-P. 249(1991)495

Schmitt, G.A. 236(1990)157 Schneckenburger, H. 227(1989)227

Schneider, K.H. 249(1991)25

Schnurrbusch, M. 237(1990)233

Schoenmakers, P.J. 250(1991)1

Schöffski, K. 239(1990)283

Schollmeyer, E. 226(1989)247

Schorb, K. 211(1988)317

Schrader, B. 240(1991)239

Schram, K.H. 247(1991)201

Schramm, W. 248(1991)517

Schröder, M. 245(1991)243

Schroeder, F. 213(1988)221

Schubert, A.J. 211(1988)83

Schubert, F. 243(1991)17, 245(1991)133

Schubert, P. 220(1989)243

Schuette, S.A. 236(1990)141

Schügerl, K. 213(1988)1, 225(1989)253, 226(1989)87, 238 (1990)201, 238(1990)211, 249(1991)25, 249(1991)87, 249

(1991)113

Schulman, S.G. 227(1989)165

Schulmeister, T. 201(1987)305

Schulten, H.-R. 223(1989)371

Schulze, G. 214(1988)121

Schwartz, L.M. 220(1989)171, 225(1989)205

Schwarz, Th. 219(1989)273

Schwedt, G. 203(1987)23, 220(1989)195, 236(1990)273, 236 (1990)345

Schweikert, E.A. 218(1989)85

Schweitzer, G.K. 225(1989)323

Schweitzer, K. 209(1988)363

Schwillens, P.L.W.J. 225(1989)137

Scordamaglia, R. 235(1990)229

Scott, D.M. 215(1988)311

Scott, D.O. 246(1991)181

Scott, D.R. 211(1988)11, 223(1989)105, 228(1990)177, 246 (1991)391

Scott, L.D.L. 248(1991)361

Secor, H.V. 234(1990)365

Secq, A. 238(1990)35

Seeber, R. 226(1989)315, 233(1990)143, 248(1991)301

Seeman, J.I. 234(1990)365

Seeverens, P.J.H. 226(1989)53, 226(1989)73

Seiler, K. 233(1990)41, 244(1991)151

Seitz, W.R. 217(1989)217, 221(1989)1, 236(1990)251, 237

(1990)265, 249(1991)373

Sekerka, I. 234(1990)199

Seki, A. 215(1988)301, 232(1990)267

Sekido, E. 221(1989)99, 224(1989)145, 237(1990)245, 248

(1991)511

Sekimukai, S. 244(1991)161

Selala, M.I. 244(1991)1

Sello, G. 235(1990)209

Selves, J.-L. 229(1990)267

Senda, M. 230(1990)75

Sendra, J.M. 212(1988)309

Senesi, N. 232(1990)51, 232(1990)77

Sengupta, B. 219(1989)339

Sennerby, L. 241(1990)299

Sens, E. 210(1988)135

Sensui, M. 245(1991)43

Sentell, K.B. 246(1991)139

Sentimenti, E. 234(1990)425

Sepaniak, M.J. 229(1990)169, 236(1990)237

Serfass, R.E. 248(1991)229

Seritti, A. 245(1991)177

Sernetz, M. 213(1988)245

Serra, G. 232(1990)337

Sesartić, L. 242(1991)221 Sethi, R.S. 231(1990)33

Sevenich, D.M. 222(1989)221

Seward, E.M. 204(1988)223

Seydel, J.K. 235(1990)195

Sferlazzo, G. 233(1990)143

Shabanowitz, J. 225(1989)1

Shadbolt, P. 249(1991)195

Shah, A. 236(1990)469 Shalkowski, E. 215(1988)337

Shan, X.-Q. 217(1989)271, 250(1991)71

Shana, Z.A. 231(1990)317

Shao, M.H. 248(1991)31

Shao, Y.Y. 221(1989)239

Sharma, A. 208(1988)53, 212(1988)261, 230(1990)213

Sharma, P. 233(1990)101

Shatkay, A. 206(1988)57, 236(1990)431

Shaw, S. 208(1988)343

Shellum, C. 227(1989)97

Shelly, D.C. 246(1991)151

Shen, F.-H. 214(1988)97

Shen, H. 212(1988)145

Shen, Z. 235(1990)323

Sheriff, T.S.S. 218(1989)331

Shetty, P.H. 218(1989)241, 236(1990)51

Sheu, T.W. 215(1988)353

Shi, L. 248(1991)257

Shi, R. 208(1988)337

Shi, Z. 244(1991)165

Shibamoto, T. 248(1991)619

Shibata, T. 230(1990)75

Shibazaki, T. 201(1987)185, 202(1987)187

Shida, J. 233(1990)135

Shigetomi, Y. 219(1989)171

Shihomatsu, H.M. 228(1990)333

Shijo, Y. 242(1991)209

Shillady, D.D. 246(1991)1 Shimabayashi, Y. 228(1990)159, 236(1990)441, 239(1990)13

Shimada K. 232(1990)281

Shimizu, I. 215(1988)301

Shimizu, T. 242(1991)209

Shimonishi, Y. 223(1989)361, 239(1990)301

Shinka, T. 241(1990)273

Shiono, S. 202(1987)131, 212(1988)49, 231(1990)213

Shiozawa, K.-i. 239(1990)107

Shiquan, T. 242(1991)209

Shirai, T. 237(1990)155

Shiraki, K. 224(1989)1

Shishkin, S.V. 236(1990)483

Shishkina, T.V. 236(1990)483, 243(1991)81

Shiundu, P.M. 237(1990)361

Shoda, J. 227(1989)21

Shono, T. 203(1987)85, 231(1990)107

Shpigun, L.K. 230(1990)157

Shrivastava, M. 237(1990)491

Shukla, A. 208(1988)91 Shum, S.C.K. 250(1991)61

Shurvell, H.F. 240(1991)287

Shuzeng, Z. 210(1988)189

Si, Z. 231(1990)157, 231(1990)295, 247(1991)37

Si, Z.-K. 245(1991)109

Siddiqi, I.W. 224(1989)329

Siegel, M.M. 237(1990)459, 241(1990)315

Siepak, J. 218(1989)143

Sigon, F. 214(1988)367, 234(1990)167

Silberring, J. 238(1990)331

Šílená, I. 209(1988)357

Silva, M. 212(1988)223, 217(1989)239, 218(1989)313, 222 (1989)269, 228(1990)123, 229(1990)107, 237(1990)353, 239 (1990)221

Silver, G.L. 217(1989)395 Simal Lozano, J. 247(1991)121 Šimíčková, B. 209(1988)357

Šimičková-Štajerová, B. 226(1989)177

Simmleit, N. 223(1989)371 Simó Alfonso, E.F. 235(1990)317

Simon, A. 240(1991)239

Simon, W. 218(1989)47, 233(1990)41, 233(1990)295, 244(1991) 151

Simoni, G. 249(1991)169 Simoni, J. 249(1991)169 Simoni, P. 202(1987)175 Simpson, C.F. 213(1988)237 Singelenberg, F. 240(1991)311

Singer, D. 206(1988)223 Singer, R. 201(1987)289 Şinibaldi, M. 204(1988)145

Sioda, R.E. 215(1988)295, 228(1990)323, 232(1990)401

Sjoegren, C.E. 222(1989)135 Sjöholm, P.-E. 213(1988)207 Sketch, C.L. 221(1989)289 Skogerboe, K.J. 237(1990)299 Skorzynski, Z. 225(1989)391

Skotheim, T.A. 228(1990)23, 228(1990)31, 248(1991)155

Skoug, J.W. 224(1989)243 Skov, H.J. 219(1989)105

Skowronska-Ptasinska, M. 230(1990)59, 230(1990)67, 231 (1990)41

Sletten, E. 223(1989)123 Sleurink, A. 235(1990)41 Sloper, A.N. 213(1988)23

Small, G.W. 246(1991)85, 249(1991)305

Smeeks, F.C. 233(1990)111

Smilde, A.K. 212(1988)95, 235(1990)41

Smirnov, A.V. 227(1989)287

Smit, H.C. 215(1988)143, 226(1989)53, 226(1989)73, 228(1990) 193, 228(1990)209, 235(1990)343, 235(1990)355, 241(1990) 83, 241(1990)95

Smith, A.L. 215(1988)325 Smith, B.W. 227(1989)331 Smith, C. 250(1991)71 Smith, D.L. 204(1988)87 Smith, F.G. 248(1991)229 Smith, N.J. 246(1991)351

Smith, R.D. 241(1990)167

Smith, R.G. 236(1990)141 Smith, S. 227(1989)379

Smolander, K. 217(1989)353, 248(1991)569

Smyth, M.R. 212(1988)355, 217(1989)335, 224(1989)65, 229 (1990)139, 245(1991)139, 249(1991)381

Sneddon, J. 245(1991)203 Snook, R.D. 250(1991)95

Sode, K. 213(1988)69, 218(1989)137, 220(1989)251, 228(1990)49

Søeberg, H. 238(1990)191 Sohn, M.-J. 209(1988)345

Sohrin, Y. 218(1989)25, 224(1989)55, 247(1991)1

Solich, P. 218(1989)151 Solinas, V. 226(1989)315 Song, Y.P. 240(1991)305 Sonnleitner, B. 213(1988)199 Sotriffer, A. 240(1990)199 Soulsbury, K.A. 246(1991)23 Souppe, J. 208(1988)295

Souza, I.G. 214(1988)397, 245(1991)211

Spassov, L. 240(1990)219 Speiser, B. 243(1991)301 Spellman, N.T. 243(1991)103

Spencer, M.J. 244(1991)197, 249(1991)381

Spencer, R.H. 249(1991)67 Spinks, T.L. 237(1990)503 Spiro, M. 242(1991)279 Spivakov, B.Ya. 230(1990)171 Spohn, U. 202(1987)75

Spoors, J.A. 237(1990)99, 245(1991)57

Sportsman, J.R. 249(1991)185 Spreinat, A. 249(1991)113 Sprenger, U. 243(1991)191 Srivastava, A.K. 249(1991)279 Stahl, B. 241(1990)175 Stahovec, W.L. 201(1987)127 Stalcup, A.M. 234(1990)365 Stalnaker, N. 215(1988)337

Stamhuis, E.J. 238(1990)129

Stamm, W.W. 213(1988)55, 235(1990)329

Stanley, R. 249(1991)539 Stará, V. 208(1988)231 Staškevičienė, S.L. 243(1991)167 Staszewski, R. 226(1989)213

Statham, P.J. 244(1991)63, 245(1991)21 Stauber, J.L. 237(1990)177 Stavenuiter, J.F.C. 227(1989)11 Steele, K.L. 246(1991)181 Steerneman, T. 235(1990)41 Stefange, 7, 206(1988)299

Štefanac, Z. 206(1988)299 Stefansson, U. 223(1989)461 Steffen, R.L. 215(1988)203 Steigstra, H. 209(1988)265 Steijger, O.M. 217(1989)229 Steinberg, K.-H. 240(1991)363

Steiner, L. 246(1991)347 Štengl, B. 206(1988)299

Stępak, R. 203(1987)79, 225(1989)97 Stephany, R.W. 205(1988)243, 223(1989)277

Stergaršek, A. 220(1989)217 Stevanato, R. 237(1990)391 Stevens, A.C. 248(1991)315 Stewart, B.M. 244(1991)269 Stewart, J.J. 236(1990)357

Stewart, K.K. 214(1988)87, 214(1988)97, 214(1988)207

Stewart, M. 232(1990)3 Steyaert, H. 204(1988)63

Stöcklein, W. 234(1990)83, 245(1991)1

Stockwell, P.B. 214(1988)329

Stoeppler, M. 226(1989)1, 226(1989)17, 226(1989)31

Stojić, D.Lj. 209(1988)185 Stolzberg, R.J. 239(1990)53 Stone, D.C. 248(1991)143 Stone, W. 215(1988)337 Stordal, E.Aa. 219(1989)147 Storek, W. 209(1988)271 Storm, G. 217(1989)149 Stottmeister, U. 213(1988)227

Stoyanov, E. 201(1987)207

Strachan, D.M. 220(1989)243

Stradiotto, N.R. 242(1991)295

Strasburg, R.F. 215(1988)311

Strasters, J.K. 246(1991)131

Street, Jr., K.W. 231(1990)21

Strelow, F.W.E. 212(1988)191, 233(1990)129, 248(1991)535

Strempel, J. 240(1990)119

Strijckmans, K. 220(1989)93, 247(1991)133

Stromvall, E.J. 217(1989)249

Struijs, J. 207(1988)305

Strupat, K. 241(1990)175

Stummeyer, J. 233(1990)243

Sturaro, A. 224(1989)119, 244(1991)9

Sturgeon, R.E. 207(1988)291

Sturm, G. 241(1990)261

Su, S.Y. 205(1988)279

Su, Y.-C. 243(1991)9

Su, Z. 245(1991)13

Subias, E. 225(1989)69

Subrahmanyam, J. 219(1989)177

Subramanian, S. 247(1991)133

Sudhölter, E.J.R. 230(1990)59, 230(1990)67, 231(1990)41, 245

(1991)159, 248(1991)307

Suenaga, T. 235(1990)279

Suëtaka, W. 240(1991)371

Sugama, A. 233(1990)275

Sugier, H. 237(1990)399, 239(1990)269

Sugihara, H. 221(1989)117

Sugiyama, T. 236(1990)479

Sulaiman, S.T. 206(1988)379

Suleiman, A.A. 217(1989)187, 245(1991)63

Sultan, S.M. 233(1990)307, 239(1990)161

Sumpter, B.G. 235(1990)143

Sun, G. 242(1991)233, 242(1991)241

Sun, H.-J. 224(1989)139

Sun, L. 214(1988)41, 245(1991)7

Sun, X.-P. 238(1990)183

Sun, Z. 228(1990)241

Sundaresan, M. 219(1989)313

Sundberg, D.C. 217(1989)217

Sunderman Jr, F.W. 204(1988)63

Sundqvist, B.U.R. 247(1991)265

Sung, J.-Y. 246(1991)275

Suprynowicz, Z. 208(1988)263

Susuta, Y. 220(1989)155

Sutherland, W.S. 237(1990)439

Sutter, J.M. 237(1990)223

Suzuki, H. 213(1988)69, 229(1990)197, 233(1990)275

Suzuki, K. 237(1990)155

Suzuki, M. 215(1988)91, 217(1989)321, 242(1991)209, 244

(1991)201, 249(1991)323

Suzuki, N. 219(1989)97, 228(1990)85, 239(1990)115, 232(1990)

385

Suzuki, T. 226(1989)109, 245(1991)43

Svehla, G. 204(1988)223

Svensson, R. 213(1988)207

Svorc, J. 247(1991)83

Sweerts, J.-P.R.A. 219(1989)351

Sweeting, F.W. 214(1988)401, 238(1990)177

Sweileh, J.A. 214(1988)107, 220(1989)65

Swindlehurst, C.A. 205(1988)195

Synovec, R.E. 237(1990)299, 246(1991)241

Syropoulos, A.B. 239(1990)195

Szekelhidi, L. 227(1989)309

Szpunar-Łobińska, J. 230(1990)125

Szymanowski, J. 206(1988)215

Szymański, A. 231(1990)77

Szymczak, R. 236(1990)357

Tabet, J.C. 241(1990)265

Tachibana, M. 215(1988)347, 236(1990)505

Tachiiri, Y. 223(1989)299

Tachiyashiki, S. 204(1988)169

Taga, K. 240(1990)125

Taga, M. 244(1991)281

Tagami, H. 239(1990)307

Tagashira, S. 244(1991)239

Taguchi, H. 228(1990)159, 236(1990)441, 239(1990)13

Taguchi, S. 219(1989)239

Taha, Z. 215(1988)29

Tahán, J.E. 236(1990)449

Tahara, R. 212(1988)267

Tairo, M. 207(1988)269

Takada, T. 235(1990)413

Takagi, M. 204(1988)113

Takahashi, A. 226(1989)109

Takahashi, H. 244(1991)161

Takahashi, K. 207(1988)361, 220(1989)13

Takahashi, T. 214(1988)97

Takahashi, Y. 215(1988)155, 217(1989)61, 219(1989)213, 225

(1989)89, 239(1990)73

Takao, T. 223(1989)361, 239(1990)301

Takatsuto, S. 222(1989)201, 228(1990)101

Takeda, T. 225(1989)273

Takeda, Y. 209(1988)45, 212(1988)81, 222(1989)301

Takeishi, H. 218(1989)77

Takekawa, Y. 217(1989)281

Takemori, Y. 215(1988)267

Takenaka, M. 242(1991)131

Takeshima, S. 239(1990)181

Takeuchi, K. 230(1990)183

Takeuchi, T. 235(1990)399, 242(1991)291, 243(1991)247

Takezawa, M. 225(1989)351

Takitani, S. 201(1987)77, 225(1989)351, 234(1990)359

Talarico, D. 235(1990)215

Tallant, D.R. 240(1990)35

Talsky, G. 226(1989)293 Tamás, J. 241(1990)289

Tamata, M. 208(1988)287

Tamer, A. 231(1990)129

Tamiya, E. 207(1988)77, 213(1988)69, 215(1988)91, 215(1988)

301, 217(1989)321, 218(1989)61, 218(1989)137, 220(1989)

251, 225(1989)399, 229(1990)197, 232(1990)267, 244(1991)

201, 244(1991)207, 249(1991)323

Tamura, H. 244(1991)275, 248(1991)619

Tan, C.B. 221(1989)205

Tan, C.-H. 229(1990)83, 234(1990)321

Tan, H.S.I. 226(1989)159

Tan, S.N. 208(1988)195, 237(1990)345

Tan, S.S. 208(1988)283, 221(1989)139

Tan, Y.L. 221(1989)53

Tanabe, K. 201(1987)317

Tanaka, A. 214(1988)259

Tanaka, F. 243(1991)273

Tanaka, M. 207(1988)361, 231(1990)107

Tanaka, S. 230(1990)175, 230(1990)179, 236(1990)459, 244 (1991)281

Tang, H.T. 214(1988)187

Tang, K.T. 218(1989)157

Tang, L.X. 232(1990)357

Tang, T.-C. 238(1990)431

Tang, X. 234(1990)403, 234(1990)493

Taniguchi, M. 219(1989)239

Taniguchi, S. 220(1989)13

Tanimura, T. 242(1991)291

Tanner, D.B. 240(1991)273

Tapparo, A. 238(1990)279

Tarascon, J.-M. 240(1991)273

Tarazona, J.V. 234(1990)193

Tarutani, T. 209(1988)333

Taştekin, M. 234(1990)339

Tatsuma, T. 242(1991)85

Tauler, P. 223(1989)257

Tauler, R. 206(1988)189, 248(1991)447

Tawara, E. 230(1990)41

Tay, B.T. 221(1989)205

Tayal, H.D. 235(1990)435

Taylor, C.G. 234(1990)439

Taylor, P.W. 240(1990)159

Taylor, R.F. 213(1988)131, 249(1991)67

Tejima, I. 228(1990)101

Temizer, A. 229(1990)145

Temmerman, E. 236(1990)371

Tenhosaari, A. 248(1991)71

Teo, P.Y.T. 221(1989)205

Tepas, B.C.A. 217(1989)149

Terabe, S. 236(1990)281

Tercier, M.-L. 237(1990)429, 249(1991)419

Terkovics, A.L. 235(1990)93

Ternero Rodriguez, M. 244(1991)89

Terry, S. 241(1990)115

Tesař, R. 240(1990)167

Testa, C. 220(1989)103

Texter, J. 215(1988)187, 248(1991)603

Thai, A.C. 221(1989)205

Thavarungkul, P. 249(1991)17

Theiss, W. 240(1990)173, 240(1990)229

Themelis, D.G. 224(1989)383, 225(1989)437

Thénot, J.P. 241(1990)209

Theobald, N. 204(1988)135

Therasse, J. 249(1991)367

Theriault, G.A. 239(1990)45

Thibado, P. 239(1990)45

Thielemans, A. 225(1989)69

Thimme Gowda, A. 209(1988)293

Thomas, B.D. 249(1991)101

Thomas, C.L.P. 217(1989)289, 226(1989)145

Thomas, D. 222(1989)235

Thomas, J.D.R. 222(1989)211

Thommen, C. 207(1988)225, 234(1990)141

Thompson, M. 206(1988)203, 217(1989)111, 225(1989)369,

248(1991)143

Thomsen, K.N. 219(1989)105

Thorlacius, A. 243(1991)227

Thorneman, T. 224(1989)13

Thorpe, G. 249(1991)263

Thunus, L. 235(1990)393

Tian, L.-C. 238(1990)183

Tiella, G. 207(1988)211

Tielrooy, J.A. 207(1988)149

Tien, H.T. 201(1987)51

Tiers, G.V.D. 237(1990)241

Tikhomirova, T.I. 219(1989)201

Timotheou-Potamia, M. 206(1988)375, 218(1989)37, 227 (1989)405

Timpe, H.-J. 243(1991)179

Tine, A. 227(1989)181

Tip, L. 241(1990)219

Tittarelli, P. 201(1987)59

Tiwari, S.K. 242(1991)225 Tjaden, U.R. 205(1988)15

To, T.C. 213(1988)165

Tod, M. 217(1989)11, 223(1989)309

Todoriki, S. 230(1990)75

Tôei, K. 208(1988)317

Tofuku, Y. 208(1988)287, 208(1988)291, 209(1988)351

Tohda, K. 237(1990)155

Tölg, G. 231(1990)265

Tomás, V. 209(1988)79, 244(1991)99

Tomassetti, M. 221(1989)157

Tomellini, S.A. 210(1988)51, 217(1989)203, 227(1989)343, 227

(1989)359

Tonelli, D. 235(1990)465

Tong, A. 230(1990)175, 230(1990)179

Toole, J. 245(1991)83

Torres, H. 239(1990)229

Torres, L. 237(1990)1

Torres, L.M.B. 236(1990)501

Torres Llosa, J.M. 211(1988)317

Tosi, G. 240(1991)347

Tóth, K. 216(1989)163, 234(1990)49, 234(1990)57

Tou, J.C. 229(1990)9

Town, R.M. 248(1991)95

Townsend, R. 227(1989)165

Townshend, A. 201(1987)339, 202(1987)247, 205(1988)261, 207(1988)355, 209(1988)275, 214(1988)161, 218(1989)1,

221(1989)337, 225(1989)331, 227(1989)65, 230(1990)151, 236(1990)267, 238(1990)171, 245(1991)115, 248(1991)219

Toyo'oka, T. 205(1988)7, 205(1988)29, 223(1989)299, 226 (1989)109

Traldi, P. 224(1989)119, 232(1990)253

Tran, C.D. 235(1990)445

Tran-Minh, C. 249(1991)405

Tratch, S.S. 235(1990)115

Trautman, T.R. 246(1991)211

Trebilcock, M.A. 249(1991)247 Trettnak, W. 221(1989)195

Tretyakov, M.Yu. 240(1990)167

Tripier, D. 249(1991)271

Trojánek, A. 203(1987)1, 247(1991)73

Trojanowicz, M. 207(1988)59, 207(1988)325, 222(1989)95, 222 (1989)109, 228(1990)287, 230(1990)125

Trotta, P.P. 241(1990)315

Tsacopoulos, M. 249(1991)419

Tsao, R. 241(1990)315

Tsarbopoulos, A. 241(1990)315

Tsubota, H. 246(1991)413

Tsuchiya, H. 218(1989)119

Tsuchiya, M. 246(1991)405

Tsukamoto, Y. 223(1989)299, 225(1989)421, 227(1989)21

Tsumura, S.-i. 246(1991)413

Tsunoda, K.-I. 229(1990)3

Tsunoda, T. 242(1991)209

Tsurubou, S. 215(1988)119, 244(1991)289, 248(1991)501

Tuba, Z. 241(1990)289

Tüdös, A.J. 228(1990)39

Tungkananuruk, N. 204(1988)359, 219(1989)323

Tuñón Blanco, P. 233(1990)281

Tuon, R.L. 234(1990)207

Turchetto, L. 235(1990)465

Turcotte, J. 246(1991)365

Turner, A.P.F. 213(1988)113, 215(1988)61, 234(1990)459, 245 (1991)133, 249(1991)1

Turner, D.R. 226(1989)229, 226(1989)239, 232(1990)149

Turrell, J.A. 235(1990)287

Tuzhi, P. 201(1987)43

Tyagi, V. 231(1990)69

Tymochowicz, S. 220(1989)243

Tyson, J.F. 214(1988)57, 214(1988)329, 214(1988)339, 214 (1988)447, 234(1989)3

Uchida, K. 208(1988)351

Uchida, Y. 220(1989)269, 222(1989)127

Uchiyama, M. 201(1987)185, 202(1987)187

Uchiyama, S. 205(1988)29, 208(1988)287, 208(1988)291, 209 (1988)351, 225(1989)425, 230(1990)195

Udisti, R. 202(1987)151

Udseth, H.R. 241(1990)167

Ueda, E. 205(1988)7

Ueda, T. 208(1988)351, 227(1989)421

Ugi, I. 210(1988)123, 235(1990)155

Ugo, P. 208(1988)207, 211(1988)325, 219(1989)9, 219(1989)19, 238(1990)357, 244(1991)29

Uhegbu, C.E. 237(1990)413

Uhlemann, E. 224(1989)47, 245(1991)243

Ulrix, W. 205(1988)215

Umegae, Y. 208(1988)59, 217(1989)263

Umesato, F. 230(1990)195

Umetani, S. 220(1989)111, 221(1989)179, 226(1989)187, 232 (1990)293, 239(1990)277, 249(1991)525

Upstill-Goddard, R.C. 249(1991)555

Urakami, K. 239(1990)181

Uray, G. 246(1991)251

Urbańska, J. 207(1988)85, 231(1990)143, 248(1991)409

Ureña Pozo, E. 217(1989)363

Ureña Pozo, M.E. 224(1989)153

Usai, M. 248(1991)301

Usami, S. 230(1990)17

Uunk, L.G.M. 250(1991)1

Uzu, S. 223(1989)299, 225(1989)421

Vadgama, P. 232(1990)357

Vairavamurthy, A. 236(1990)363, 237(1990)215

Vajgand, V.J. 202(1987)231, 212(1988)73, 229(1990)221, 229 (1990)287

Vajta, S. 241(1990)209

Valcárcel, M. 202(1987)199, 211(1988)281, 211(1988)287, 214 (1988)217, 214(1988)375, 215(1988)233, 215(1988)241, 216

(1989)275, 219(1989)191, 219(1989)231, 224(1989)127, 224

(1989)169, 225(1989)431, 225(1989)443, 226(1989)221, 229

(1990)107, 229(1990)177, 230(1990)137, 230(1990)199, 234

(1989)89, 234(1990)227, 234(1990)345, 234(1990)433, 235

(1990)441, 238(1990)411, 239(1990)211, 242(1991)179, 242

(1991)283, 249(1991)461, 250(1991)157

Valdes, E.M. 246(1991)267, 248(1991)173

Valentová, O. 218(1989)151

Valeur, B. 227(1989)129

Valković, V. 220(1989)217

Valleton, J.-M. 231(1990)305

Vallon, J.J. 245(1991)129

Vanballenberghe, L. 204(1988)63

Van Bennekom, W.P. 202(1987)35, 204(1988)29, 239(1990)171, 241(1990)23, 248(1991)473, 248(1991)483

Van Berkel, W.W. 235(1990)427

Van Beysterveldt, L. 222(1989)1

Van BlitterswijK, H. 237(1990)61

Van Borm, W.A. 218(1989)185

Van Cauwenberghe, K.A. 247(1991)229

Van Cleuvenbergen, R. 228(1990)77

Vandecasteele, C. 211(1988)91, 220(1989)93, 220(1989)257, 226(1989)193, 236(1990)371, 242(1991)203, 244(1991)115, 244(1991)259

Vandeginste, B.G.M. 222(1989)1, 222(1989)19, 223(1989)183, 223(1989)205, 228(1990)145, 235(1990)27, 241(1990)23

Vandekerckhove, D. 205(1988)215, 227(1989)119

Van Delft, W. 209(1988)147

Van den Beld, C.M.B. 205(1988)15

Van den Berg, A. 230(1990)59, 230(1990)67, 231(1990)41, 231 (1990)221, 232(1990)149, 245(1991)167, 250(1991)265

Vandenberg, E.T. 202(1987)215

Van den Berg, R.H. 205(1988)175, 205(1988)243, 205(1988)249, 205(1988)267, 227(1989)49, 227(1989)57, 227(1989)109

Van den Broek, H.H. 207(1988)305

Van den Eeckhout, E. 227(1989)303

Van de Nesse, R.J. 227(1989)173

Vandenhaute, J. 204(1988)63

Van Den Heuvel, E.J. 235(1990)343, 235(1990)355

Van den Heuvel, H. 242(1991)275

Van den Heuvel, J.C. 213(1988)259

Van Den Hoop, M.A.G.T. 232(1990)141

Van Der Graaf, P.H. 235(1990)41

Van der Greef, J. 205(1988)15

Van Der Heeft, E. 237(1990)61

Van der Linden, W.E. 201(1987)117, 211(1988)61, 211(1988)99, 214(1988)77, 216(1989)307, 222(1989)151, 223(1989)387, 226(1989)171, 229(1990)71, 231(1990)59, 233(1990)31, 233 (1990)251, 234(1990)285, 237(1990)71, 239(1990)245, 247 (1991)51, 248(1991)429

Van der Maas, J.H. 223(1989)135, 240(1991)311

Van der Meer, J.M. 213(1988)177

Van der Schoot, B.H. 229(1990)71, 233(1990)49, 237(1990)71

Van der Slik, W. 220(1989)119

Van der Velden-de Groot, T.A.M. 249(1991)257

Van der Voet, H. 209(1988)1, 220(1989)119

Van der Wal, P.D. 230(1990)59, 230(1990)67, 231(1990)41, 245(1991)159

Van der Weken, G. 205(1988)43

Van Ede, C.J. 238(1990)129

Van Elteren, J.T. 222(1989)159

Van Espen, P. 216(1989)25, 226(1989)43

Van Gent, J. 213(1988)35

Van Ginkel, L.A. 225(1989)137, 237(1990)61

Van Grieken, R. 204(1988)179

Van Groen, B. 242(1991)275

Vanhaecke, F. 244(1991)115

Vanhoe, H. 211(1988)91, 244(1991)115, 244(1991)259

Vaníčková, M. 208(1988)219

Van Leeuwen, H.P. 229(1990)93, 232(1990)141, 232(1990)209

Van Leeuwen, J.A. 223(1989)183, 228(1990)145, 235(1990)27

Van Look, L.J. 205(1988)223, 248(1991)207

Van Malssen, K.F. 235(1990)343, 235(1990)355

Van Marion, P. 223(1989)387

Van Mastbergen, H.M. 217(1989)229

Van Molle, S. 250(1991)1

Van Niekerk, P.J. 223(1989)237

Van Nugteren-Osinga, I.C. 214(1988)77, 222(1989)151, 226 (1989)171, 239(1990)245

Van Oort, W.J. 233(1990)251

Van Oosterom, A.T. 247(1991)229

Van Opstal, M.A.J. 202(1987)35, 204(1988)29, 233(1990)65, 241(1990)23

VanOrden, S.L. 246(1990)199

Van Peteghem, C.H. 205(1988)223, 248(1991)207

Van Renterghem, D. 211(1988)231

Van Riemsdijk, W.H. 232(1990)189

Van Ringen, G.J. 205(1988)15

Van Rossum, H.J. 237(1990)61

Vanslyke, S.J. 246(1991)43

Van Staden, J.F. 218(1989)69, 219(1989)55

Vantrappen, G. 247(1991)223, 247(1991)243

Van Trieste, P.F. 215(1988)325

Van Veen, J.J.F. 204(1988)29

Van Vliet, H.R. 218(1989)69

Van Weerd, T. 233(1990)155

Vanýsek, P. 228(1990)241

Vardy, P. 249(1991)227

Varga, J. 240(1990)223

Varma, S.R. 233(1990)235

Vartiainen, T. 212(1988)297

Vasić, V.M. 209(1988)185

Vastano, S.E. 201(1987)127

Vaughan, G.M. 231(1990)299

Vaughan, P.A. 248(1991)361

Vazquez, M.L. 227(1989)319

Vazquez-Gonzalez, J.F. 219(1989)79

Vecchietti, R. 204(1988)189

Vekshin, N.L. 227(1989)267, 227(1989)291

Velasco, A. 229(1990)107

Velinsky, D.J. 235(1990)419

Velthorst, N.H. 227(1989)173, 232(1990)245

Veltkamp, A.C. 233(1990)181

Venanzi, C.A. 210(1988)151, 210(1988)213

Venanzi, T.J. 210(1988)213

Venkateswarlu, K.S. 212(1988)335

Verboom, W. 233(1990)251, 234(1990)285

Verma, K.K. 214(1988)207

Vermeir, G. 220(1989)257, 236(1990)371, 242(1991)203

Versieck, J. 204(1988)63, 244(1991)259

Versluis, C. 241(1990)219, 248(1991)553

Vertogen, G. 233(1990)155

Vetere, V.F. 234(1990)331

Veuthey, J.-L. 225(1989)303, 231(1990)115

Vial, M. 233(1990)207

Vibhute, R.G. 222(1989)215

Vicente, F. 243(1991)115

Vicente-Beckett, V.A. 224(1989)97, 232(1990)31

Vickers, G.H. 216(1989)1

Victor, A.H. 215(1988)111, 215(1988)317, 248(1991)535

Victoria, L. 229(1990)153

Vilholm, K. 249(1991)77

Villadsen, J. 214(1988)137, 237(1990)165, 247(1991)45, 249 (1991)123

Villarta, R.L. 245(1991)63

Vin, Y.Y. 221(1989)183

Visalakshi, G. 212(1988)335

Visser, T. 240(1990)205

Vithanage, R.S. 215(1988)277

Vivier, H. 238(1990)243

Vizi-Orosz, A. 240(1990)211

Vlasenko, S.B. 237(1990)285

Vlassopoulos, D. 229(1990)227

Vleeschhouwer, P.H.M. 207(1988)149

Vo-Dinh, T. 206(1988)333, 217(1989)171, 229(1990)169, 229

(1990)295, 236(1990)237

Vogt, N.B. 222(1989)135

Voigtman, E. 246(1991)9, 248(1991)195

Vojnović, D. 201(1987)253, 248(1991)51

Vojvodić, V. 232(1990)131

Volesky, B. 249(1991)279

Volke, J. 209(1988)69

Von Wandruszka, R. 226(1989)337

Vorobeva, G.A. 230(1990)171

Vos, G. 209(1988)147

Vrbová, E. 239(1990)263

Vredenbregt, M.J. 240(1990)205

Vuysters, F.A.M. 211(1988)43

Vytřas, K. 209(1988)357, 226(1989)177

Wada, H. 211(1988)213, 212(1988)253, 214(1988)439, 220 (1989)293, 223(1989)339

Wada, M. 231(1990)107

Wade, A.P. 215(1988)169, 237(1990)361, 246(1991)23

Waisser, K. 212(1988)279

Waite, T.D. 236(1990)357

Waki, H. 225(1989)313

Wakida, S.-I. 224(1989)145

Walker, R.J. 222(1989)291 Walker, T.A.B. 232(1990)3

Wallace, G.G. 217(1989)335, 235(1990)451, 237(1989)149, 238

(1990)345, 244(1991)197, 249(1991)381

Wallace, L.J. 249(1991)195

Wallach, J.M. 211(1988)205, 213(1988)267, 247(1991)79

Wallaeys, B. 204(1988)63

Walmsley, A.D. 242(1991)31

Walmsley, A.J. 250(1991)257

Walsh, M.E. 231(1990)313

Walter, F.L. 208(1988)195, 237(1990)345

Walters, S.M. 236(1990)77, 245(1991)259

Waltman, D.P. 231(1990)21

Walton, J.R. 240(1991)339

Walton, T.J. 247(1991)161, 247(1991)177, 247(1991)187

Walzer, L.R. 205(1988)183

Wang, C.-Y. 221(1989)341

Wang, E. 230(1990)207, 239(1990)29, 249(1991)489

Wang, F. 233(1990)299

Wang, G. 229(1990)213, 230(1990)105, 241(1990)137, 244 (1991)39

Wang, J. 201(1987)43, 207(1988)95, 215(1988)29, 217(1989)343, 218(1989)281, 221(1989)43, 226(1989)323, 228(1990)251, 229(1990)139, 234(1989)41, 234(1990)315, 236(1990)411, 242(1991)259, 245(1991)77, 245(1991)139

Wang, K. 244(1991)151

Wang, M.-S. 237(1990)311

Wang, P. 210(1988)181

Wang, Q. 248(1991)257

Wang, S. 238(1990)375

Wang, X. 231(1990)295, 243(1991)65

Wang, Y. 212(1988)341, 221(1989)353, 235(1990)273

Wang, Y.-W. 221(1989)345

Wang, Z. 212(1988)145, 238(1990)399, 244(1991)135

Wang, Z.-D. 232(1990)43, 232(1990)181

Wange, E. 236(1990)293

Wanke, R. 235(1990)65

Ward, D.B. 229(1990)157

Ward, J.M. 249(1991)195

Warner, I.M. 207(1988)251, 224(1989)235, 232(1990)239

Wasa, T. 207(1988)319, 209(1988)259, 218(1989)129, 231 (1990)121, 236(1990)437, 238(1990)339, 248(1991)345

Watanabe, K. 207(1988)331, 218(1989)111, 237(1990)155

Watanabe, T. 228(1990)61, 242(1991)85

Waters, D. 215(1988)337

Watson, A.J. 249(1991)555

Wattanakanjana, Y. 246(1991)325

Wauters, G. 226(1989)193

Weaver, M.J. 204(1988)95, 212(1988)201

Weber, G. 231(1990)265, 232(1990)377

Weber, H.T. 247(1991)97

Wechter, C. 234(1990)275

Wedepohl, K. 203(1987)23

Weginwar, R.G. 234(1990)445

Wegscheider, W. 248(1991)459

Wehnert, G. 213(1988)47

Weigel, Ch. 240(1990)125

Weil, D.A. 241(1990)187

Weinberg, P.D. 227(1989)235, 227(1989)243

Weiser, W.E. 224(1989)243

Weissbrodt, E. 213(1988)227

Weisz, H. 202(1987)1, 202(1987)25

Welch, L.E. 204(1988)323

Wells, M.J.M. 236(1990)131

Welti, D.H. 206(1988)173

Wen, X. 249(1991)77, 249(1991)451

Weng, J.-L. 233(1990)59

Wentzell, P.D. 224(1989)263, 237(1990)361, 246(1991)43

Werner, G. 219(1989)281, 228(1990)55, 236(1990)315

Wershaw, R.L. 232(1990)31

Wesemann, W. 241(1990)261

Weskamp, R. 207(1988)171

West, T.S. 207(1988)67

Westerlund, S. 221(1989)77

Wetters, J.H. 236(1990)173

Wever, G. 213(1988)177

Whalley, P.D. 223(1989)441

Whang, C.M. 240(1990)19

Wheeler, S.K. 237(1990)141

Whiteside, I.R.C. 204(1988)343, 212(1988)155

Whitfield, M. 226(1989)229, 226(1989)239

Whitman, D.A. 214(1988)197

Whung, P.-Y. 211(1988)257

Wichardt, C. 236(1990)399

Wickstrøm, T. 208(1988)347, 211(1988)223, 219(1989)141

Widmer, H.M. 234(1990)141, 234(1990)259

Wiechelman, K.J. 221(1989)223

Wiederin, D.R. 248(1991)229, 250(1991)61

Wieme, R.J. 205(1988)239

Wienke, D. 223(1989)247, 243(1991)311

Wiese, G. 239(1990)171, 248(1991)473, 248(1991)483

Wiese, M. 235(1990)195

Wiewiórowski, M. 240(1991)277

Wigfield, D.C. 248(1991)575

Wigfield, Y. 233(1990)311

Wijesuriya, D. 225(1989)105, 234(1990)453, 236(1990)445, 243 (1991)1

Wikmark, G. 223(1989)429

Wilcox, K. 245(1991)235

Wilgocki, M. 226(1989)351

Wilhartitz, P. 233(1990)243

Wilk, H.R. 225(1989)37

Willason, S.W. 201(1987)83

Willatt, A.J. 240(1990)81

Willems, H. 213(1988)245

Willett, P. 235(1990)77 Williams, H.L. 228(1990)155

Williams, K.L. 222(1989)169, 236(1990)357

Williams, K.P.J. 240(1991)339

Williams, M.H. 223(1989)175

Williams, R.R. 242(1991)17, 248(1991)285

Williams, T. 217(1989)157, 237(1990)291

Willibey, B. 249(1991)209

Willie, S.N. 207(1988)291

Willis, W.S. 235(1990)307

Wills, M.R. 224(1989)83

Wilshere, J.M. 229(1990)57 Wilson, D.A. 215(1988)99

Wilson, G.A. 235(1990)77

Wilson, G.S. 241(1990)105

Wilson, I.D. 236(1990)145 Wilson, R. 248(1991)127

Wilson, S.M. 217(1989)165

Wilson, T. 235(1990)77

Wimalasena, R.L. 241(1990)105

Winans, R.E. 233(1990)149

Winefordner, J.D. 201(1987)317, 204(1988)247, 208(1988)1, 208(1988)21, 225(1989)415, 227(1989)331, 231(1990)289,

236(1990)257, 237(1990)273, 237(1990)439, 244(1991)215

Winkler, H. 240(1991)363

Winnewisser, G. 240(1991)263

Winquist, F. 231(1990)93

Wischnewsky, G.G. 243(1991)221

Wojciechowski, M. 237(1990)127, 249(1991)433

Woldemariam, T.Z. 234(1989)89

Wolfbeis, O.S. 205(1988)1, 208(1988)53, 212(1988)261, 217 (1989)1, 221(1989)195, 230(1990)213, 246(1991)251, 248 (1991)351, 250(1991)181

Wolters, R. 207(1988)111, 233(1990)65

Wong, J.L. 235(1990)457, 246(1991)301

Wong, M.K. 218(1989)345

Wong, P.T.T. 240(1990)151

Wood, D.W. 224(1989)383, 225(1989)437

Wood, J. 249(1991)555

Wood, S.A. 229(1990)227 Woodward, J.R. 213(1988)61

Wooley, M. 208(1988)343

Worsfold, P.J. 201(1987)345, 204(1988)343, 212(1988)155, 214 (1988)401, 227(1989)379, 236(1990)287, 238(1990)171, 238 (1990)177, 239(1990)189, 246(1991)447, 250(1991)145

Wring, S.A. 229(1990)63, 231(1990)203

Wrona, P.K. 237(1990)421 Wu, C. 212(1988)325

Wu, K.-L. 224(1989)139

Wu, L.-H. 228(1990)251

Wu, N. 238(1990)399

Wu, R. 210(1988)199, 245(1991)283

Wu, T.-G. 235(1990)457, 246(1991)301

Wu, X. 214(1988)279, 249(1991)87

Wu, Z. 231(1990)101

Wunderlich, B. 235(1990)143

Wünsch, G. 233(1990)243, 239(1990)283

Würfels, M. 226(1989)1, 226(1989)17, 226(1989)31

Wyrley-Birch, J. 218(1989)323

Wythoff, B.J. 217(1989)203, 227(1989)343, 227(1989)359

Xia, Y.-H. 222(1989)263

Xiaoheng, T. 210(1988)189

Xiaomin, W. 210(1988)169

Xidis, A.L. 239(1990)7

Xie, X. 208(1988)337

Xie, Y.-L. 222(1989)347

Xilei, L. 211(1988)231

Xing, M.L. 246(1991)347

Xiyun, L. 210(1988)169

Xu, J. 248(1991)257

Xu, L. 210(1988)163, 242(1991)11

Xu, M. 235(1990)445

Xu, S. 214(1988)41, 245(1991)7

Xu, Y. 225(1989)227, 229(1990)213

Xu, Y.-Y. 238(1990)183

Xu, Z. 210(1988)181

Xue, Z.-L. 237(1990)317, 248(1991)163

Xun, Y.-M. 234(1990)487

Yabuki, S. 245(1991)145

Yagüe, E. 209(1988)79

Yakovlev, V.A. 240(1990)219, 240(1990)235

Yamada, J. 229(1990)3

Yamada, K. 239(1990)297

Yamada, K.M.T. 240(1991)263

Yamada, M. 217(1989)371, 231(1990)7, 232(1990)385, 247 (1991)27

Yamada, T. 243(1991)273

Yamaguchi, M. 215(1988)259, 215(1988)267, 221(1989)163, 223(1989)319, 231(1990)1, 242(1991)113

Yamamoto, G. 222(1989)121

Yamamoto, H. 236(1990)437

Yamamoto, K. 246(1991)333

Yamamoto, M. 221(1989)249, 232(1990)389, 239(1990)139, 239(1990)297

Yamamoto, T. 244(1991)59

Yamamoto, Y. 247(1991)13

Yamamura, K. 202(1987)237

Yamane, T. 207(1988)331

Yamaoka, K. 219(1989)123

Yamasaki, S. 214(1988)349

Yamashoji, Y. 231(1990)107

Yamato, S. 232(1990)281

Yamazaki, S. 242(1991)291

Yan, B. 236(1990)287, 246(1991)447, 250(1991)145

Yan, Y. 248(1991)103

Yan, Z. 234(1990)493

Yanagihara, T. 248(1991)329

Yáñez-Sedeño, P. 234(1990)309

Yang, C.-C. 229(1990)115, 232(199)345

Yang, J. 231(1990)157, 235(1990)323, 238(1990)307

Yang, J.-N. 246(1991)341

Yang, P. 243(1991)65

Yang, S.-P. 221(1989)341

Yang, S.S. 225(1989)409

Yang, T. 248(1991)517

Yang, T.C. 215(1988)353

Yang, W. 234(1990)107

Yang, Z. 201(1987)135 Yano, I. 247(1991)283

Yao, S.-Z. 209(1988)213, 212(1988)61, 215(1988)79, 229(1990)

205, 230(1990)51, 246(1991)421, 246(1991)425

Yao, T. 207(1988)319, 209(1988)259, 218(1989)129, 231(1990) 121, 236(1990)437, 238(1990)339, 248(1991)345

Yao, Z.-H. 246(1991)341

Yaqoob, M. 248(1991)219

Yarnitzky, Ch. 228(1990)117, 234(1990)161, 234(1990)475, 248

(1991)289Yarwood, J. 240(1990)29, 240(1990)81, 240(1991)305

Yasaka, T. 247(1991)201

Yasuda, K. 220(1989)13

Yasumasa, Y. 214(1988)229

Yates III, J.R. 225(1989)1

Ye, J. 244(1991)165

Yebra-Biurrun, M.C. 239(1990)321

Yenser, B.A. 243(1991)43

Yerian, T.D. 204(1988)7

Yian, Z. 217(1989)271

Yim, H.S. 237(1990)115

Yokoi, K. 245(1991)167

Yokoyama, K. 213(1988)69, 218(1989)137

Yokoyama, Y. 246(1991)405

Yonehara, N. 206(1988)273

Yonekura, S. 207(1988)243

Yoshida, F. 217(1989)61

Yoshida, H. 214(1988)97

Yoshida, S. 225(1989)273, 239(1990)181, 242(1991)131

Yoshimura, K. 209(1988)333, 225(1989)313

Yoshino, K. 224(1989)383

Yoshioka, S. 209(1988)45, 212(1988)81

Yoshitake, K. 222(1989)121

Yoshitake, T. 215(1988)267, 242(1991)113

Yoshizuka, T. 233(1990)139

Yotsuyanagi, T. 233(1990)121

Youla, M. 249(1991)495

Youxian, Y. 212(1988)291

Ystenes, M. 240(1990)61

Yu, F.-B. 234(1990)487 Yu, R. 248(1991)257

Yu, R.-Q. 222(1989)347, 222(1989)369

Yu, T. 201(1987)317

Yuan, D. 243(1991)65

Yuan, S. 235(1990)239

Yuan, S.-G. 221(1989)345, 221(1989)353

Yuferova, I.B. 219(1989)201

Yuzhu, H. 223(1989)1

Zagatto, E.A.G. 204(1988)259, 206(1988)253, 214(1988)239, 214(1988)247, 226(1989)129, 234(1990)153

Zagrobelny, J. 246(1991)55

Zaidi, K.F. 227(1989)273

Zaitchev, S.V. 227(1989)287

Zaitsu, K. 201(1987)351

Zambonin, P.G. 207(1988)183

Zamel, S. 248(1991)583

Zamponi, S. 219(1989)153

Zapardiel, A. 244(1991)49

Zazulak, W. 241(1990)127

Zefirov, N.S. 235(1990)115

Zegers, N.D. 213(1988)187

Zelić, M. 238(1990)393

Zeng, F. 235(1990)239

Zeng, Y. 222(1989)205, 235(1990)337

Zenki, M. 208(1988)317

Zequn, Y. 210(1988)189

Zhan, G. 245(1991)13

Zhang, C. 217(1989)23, 236(1990)307

Zhang, F. 244(1991)169

Zhang, H. 235(1990)307

Zhang, J. 210(1988)163, 246(1991)55

Zhang, L. 233(1990)149

Zhang, M. 248(1991)257

Zhang, P. 234(1990)483

Zhang, P.-X. 222(1989)323

Zhang, Q.-W. 236(1990)183

Zhang, R.-Q. 217(1989)165

Zhang, S. 214(1988)41, 235(1990)323

Zhang, S.-Z. 221(1989)85

Zhang, X.-X. 237(1990)311

Zhang, Y. 217(1989)217, 221(1989)1

Zhang, Y.-J. 233(1990)223

Zhang, Z. 236(1990)251

Zhao, H. 238(1990)345

Zhao, X. 235(1990)239

Zhao, Y. 230(1990)23

Zhao, Z. 212(1988)43, 215(1988)37, 229(1990)213, 230(1990)

105, 232(1990)367, 234(1990)403, 236(1990)411, 241(1990)

137, 241(1990)161, 244(1991)39, 248(1991)103

Zheng, C. 235(1990)239

Zheng, C.-Z. 221(1989)345, 221(1989)353

Zheng, Y. 225(1989)227, 247(1991)235

Zhi, Z.-L. 238(1990)183

Zhihong, X. 210(1988)115

Zhikun, S. 215(1988)331

Zhizhin, G.N. 240(1990)219, 240(1990)235

Zhou, C. 236(1990)273

Zhou, H. 238(1990)307

Zhou, J. 236(1990)293, 249(1991)489

Zhou, T. 235(1990)273

Zhou, T.-A. 212(1988)61

Zhou, W. 249(1991)87

Zhou, X. 212(1988)325, 236(1990)411, 240(1990)159, 244

(1991)39

Zhou, Y.K. 243(1991)127

Zhu, G. 231(1990)157, 231(1990)295, 247(1991)37

Zhu, G.-Y. 245(1991)109

Zhu, J. 233(1990)223

Zhu, N.-Z. 225(1989)1

Zhu, S.-M. 237(1990)305

Zhu, W. 231(1990)295

Zhu, Z. 214(1988)41

Zhuravleva, E.L. 243(1991)81

Zimmer, H. 237(1990)317, 248(1991)163

Zimmer, K. 201(1987)289

Ziogas, I. 221(1989)295, 222(1989)189

Zirino, A. 237(1990)429, 245(1991)177

Zolotov, Yu.A. 230(1990)157

Zomer, G. 205(1988)175, 205(1988)243, 205(1988)249, 205

(1988)267, 227(1989)11, 227(1989)109, 237(1990)61

Zoontjes, P.W. 237(1990)61

Zoski, C.G. 216(1989)177

Zotti, G. 221(1989)27

Zou, G. 208(1988)337

Zou, Z. 212(1988)325

Zoulis, N.E. 204(1988)201

Zukale, T. 217(1989)43

Zung, J.B. 224(1989)235 Zunk, B. 236(1990)337

Zupan, J. 210(1988)63, 235(1990)53, 239(1990)311, 248(1991)1

Zupančič-Kralj, L. 243(1991)131

Zürcher, M. 206(1988)161, 206(1988)173

Zurita, J.C. 217(1989)85

SUBJECT INDEX VOLUMES 201-250





Ab initio calculations on large molecules

Optimal computational procedures 210(1988)209

Ab initio prediction

Vibrational spectra; Quadratic force fields, Database 240 (1990)159

Absolute pH scale

Cyclic voltammetry; Acid-base equilibria; In organic solvents 208(1988)207

Absorption coefficients

Gas chromatography; I.r. spectrometry; Vapour phase 240 (1990)223

Accelerator

Mass spectrometry; Calcium; Bone; Rocks; Sample preparation 233(1990)101

Acenaphthenequinone dioxime

Liquid chrom.; Dimethyl glyoxime; Naphthalene; Palladium; Preconcentration 230(1990)17

Acesulphame

Molecular electrostatic-potential 210(1988)213

Acetaldehyde

Gas chromatography; Ethyl acetate; Fermentation; Fusel alcohols; Gas-permeable membrane; Alcoholic fed-batch 213 (1988)231

Chemiluminescence; Enzyme reaction; Xanthine oxidase, Luminol, Potassium hexacyanoferrate(III) 236(1990)459

Acetaminophen

Kinetic analysis; Spectrophotometry; Pharmaceuticals 218 (1989)313

Kinetic analysis; Spectrophotometry; Iron complex; Serum, Pharmaceutical preparation 224(1989)339

Liquid chrom.; Urine; Electrochemical detection, Dual electrodes, Pharmacokinetics 236(1990)293

Amperometry; Biosensor; Blood; Paracetamol; Dry-strip, Screen-printed 248(1991)361

Acetate

H.p.l.c.; Ammonium; Antarctic ice; Fluoride; Formate; Methanesulphonate 203(1987)11

Spectrophotometry; Flow system; Fermentation; Phosphate; Process analysis; E. coli 249(1991)101

Acetic acid

Conductometry; Acetone; Computerised array; Ethanol; Semiconductor gas sensors 219(1989)213

Acetoin

Pattern recognition; Piezoelectric sensors; Alcohols; Amyl acetate; Menthone; Neural network; Odorants; Olfactory system; Back-propagation algorithm, Lipid-coated AT-cut quartz crystals 249(1991)323

Acetone

Conductometry; Acetic acid; Computerised array; Ethanol; Semiconductor gas sensors 219(1989)213

Acetonitrile

Polarography; Complexation; Tin; Dimethylformamide; Free energy of transfer, Stability constants 242(1991)295

Voltammetry; Autoprotolysis constant; Glass electrode; Standardization, Solvent composition, E.m.f. 244(1991)183

Acetyl ion generation

Coulometry; Organic bases; Oxidation of mercury in acetic anhydride 212(1988)73

Acetyl-coenzyme A

Flow system; Spectrophotometry; Immobilized, Phosphotransacetylase, CoA-SH, Ellman's reagent 232(1990)281

Acetylacetone

Kinetic analysis; Ethers; Mass transfer; Extraction; Interfacial 237(1990)237

Acetylcarbethoxycysteine

Liquid chrom.; Fluorimetry; Urine 226(1989)109

Acetylcholine

Flow system; Amperometry; Ion exchange; Choline; Enzyme reactor; Lipids 214(1988)173

Amperometry; Acetylcholinesterase; Choline; Choline oxidase; Sensor; Photocross-linkable polymer 228(1990)49

Amperometry; Biosensor; Enzyme reactor; Choline; Immobilized, Hydrogen peroxide 231(1990)27

Potentiometry; Coated-wire electrode; Biosensor; Enzyme electrodes; Immobilized, Hydrogen ion-selective electrode 236(1990)441

Acetylcholine receptor based biosensor

Cholinergic agents 213(1988)131

Acetylcholinesterase

Amperometry; Acetylcholine; Choline; Choline oxidase; Sensor; Photocross-linkable polymer 228(1990)49

Acetylmuramic acid

Spectrophotometry; Hydrolysis, Complex molecules 242 (1991)221

Acetylsalicylic acid

Liquid chrom.; Aspirin; Pharmacokinetics; Microdialysis sampling; Rats, In vivo 246(1991)181

Acid decomposition

At. abs. spectrometry; Emission spectrom.; Silica; Metal impurities; Vapour phase, PTFE bomb 245(1991)35

Acid dissociation constants

pH; Reference values, Standard solutions, Computer program 239(1990)129

Acid-base

Titrimetry; Partial-least-squares 206(1988)125

Acid-base disorder

Electrolyte disorder; Expert system 223(1989)269

Acid-base equilibria

Cyclic voltammetry; Absolute pH scale; In organic solvents 208(1988)207

Spectrophotometry; Azo dyes; Dissociation constants; Aqueous dimethylformamide 246(1991)429

Acidity

Titrimetry; Rain; Substitution approach 217(1989)303

Spectrophotometry; Kinetics; Molybdate; Phosphoantimonyl-molybdenum blue 229(1990)115

Process analysis; Automation; Robots; Biological oxygen demand; Yoghurt 238(1990)71

Gradient mixing; Rain water 243(1991)191

Acidity constants

Flow system; Potentiometry; Gradient chamber; Weak acid 226(1989)239

Spectrophotometry; Kalman filter; Multicomponent analysis; Noise removal; Method comparison 239(1990)95

Acids

Spectrophotometry; Flow system; Bases 206(1988)313

Acoustic emission

Opto-acoustic spectrom.; Photoacoustic spectroscopy; Enzyme reactions; Catalase, Hydrogen peroxide, Oxygen effervescence 246(1991)43

Acoustic emission characterization

Opto-acoustic spectrom.; Potassium nitrate recrystallization; Polymer stressing; Descriptor distributions 246(1991)23

Acoustic wave sensors

Piezoelectric sensing; Quartz acoustic wave crystal; Etched crystal, Aminopropyltriethoxysilane film 248(1991)143

Acridinium

Flow system; Chemiluminescence; Immunoassay; Immunoglobulin G 227(1989)97

Acridinium label

Chemiluminescence; Immunoassay 227(1989)11

Acrolein

Kinetic analysis; Spectrophotometry; Multi-component analysis; Formaldehyde; Wavelength-pair method, Diode-array detection 244(1991)81

Actinides

Urine; Alpha spectrometry; Preconcentration; Octyl(phenyl)-N,N-diisobutylcarbamoylmethylphosphine oxide extractant 238(1990)263

Activation analysis, correlation problems

Activ. analysis; Algorithms; Calibration, Determination 236 (1990)417

Acyclic hydrocarbons

N.m.r. spectrometry; Computer prediction; ¹³C chemical shifts, Microcomputer program, Beierbeck-Saunders approach 233 (1990)315

Adamantanamines

Mass spectrometry; Biological samples; Pharmaceuticals; Mass fragmentography 241(1990)261

Adenine

Voltammetry; Adenosine; Cathodic and anodic stripping, Copper(I) compounds 201(1987)11

Adenine derivative

Fluorimetry; Liquid chrom.; Chloroacetaldehyde; Chlorofluorobenzyladenine; Plasma 227(1989)189

Adenosin

Voltammetry; Adenine; Cathodic and anodic stripping, Copper(I) compounds 201(1987)11

Adenosine deaminase

Flow system; Immunoassay; Protein; Sandwich-type 229 (1990)47

Adipokinetic hormones

Mass spectrometry; Hormones; Peptides; Structure determination; *Locusta migratoria*, Fast atom bombardment, Tandem 248(1991)553

Adriamycin

Fluorimetry; Binding; Cisplatin; Tumorigenic cells; Terbium luminescence 205(1988)77

Adsorption

Denuder tube; Nitrobenzene; Trichloroethane; Platinum/lead collection surface 226(1989)145

Piezoelectric quartz crystal; Metal ions; Oscillation frequency 245(1991)71

Adsorption isotherms

Opto-acoustic spectrom.; Gases; Humidity correction algorithm; Surface acoustic wave sensors 248(1991)337

Adsorption losses

At. abs. spectrometry; Mercury; Cold vapour, Tubing adsorption 248(1991)575

Adsorptive collection

Voltammetry; Sea water; Titanium; Cathodic stripping voltammetry 221(1989)269

Voltammetry; Sea water; Tin; Cathodic stripping voltammetry 222(1989)43

Adsorptive stripping

Voltammetry; Ofloxacin; Pharmaceuticals 231(1990)129

Voltammetry; Cyclic voltammetry; Azinphos-methyl; Guthion; Waters 238(1990)383

Aerobic and anaerobic wastewater-treatment

Thermom. analysis; Biological activity; Flow microcalorimetry 213(1988)165

Affinity chromatography

Flow system; Immunoglobulin G; Mouse IgG 245(1991)1

Aflatoxins

H.p.l.c.; Amperometry; Peanut butter 208(1988)343

Afterglow discharge

Emission spectrometry; Polynuclear aromatic hydrocarbons 201(1987)317

Air

Potentiometry; Flow system; Mercury; Computerized flow constant-current stripping, Gold fibre electrode 201(1987)269

Potentiometry; Hydrogen chloride; Diffusion/denuder tubes 202(1987)49

Conductometry; Sulphur dioxide; Wall-jet detector; Preconcentration in water 203(1987)1

Alumina sampling tubes; Hydrogen chloride 206(1988)289

Fluorimetry; Fibre-optic sensor; Sulphur dioxide 208(1988)53

Gas chromatography; At. fluor. spectrometry; Mercury species; Cold-vapour 208(1988)151

Spectrophotometry; Organophosphorus compounds; Inhibition of cholinesterases 217(1989)43

H.p.l.c.; Conductometry; Nitrate; Nitrite; Passive monitors; Sulphate 217(1989)135

Gas chromatography; Mass spectrometry; Diesel particulate; Polynuclear aromatic hydrocarbon; Nitrated polynuclear aromatic hydrocarbon 221(1989)53

Flow system; Carbon disulphide; Hollow-fibre membrane 226 (1989)171

Chemiluminescence; Indigodisulphonate; Ozone 230(1990)183

Liquid chrom.; Vanadium; Waters; Reversed-phase, 2-(8-Quinolylazo)-5-*N*, *N*-diethylaminophenol 233(1990)121

Liquid chrom.; Fluorimetry; Polycyclic aromatic hydrocarbons; Waters; Reversed-phase 234(1990)269

Voltammetry; Nickel; Speciation; Adsorptive stripping, Magnetic extraction 235(1990)457

Sampling procedures; Extraction; Organic volatiles; Pollution 236(1990)197

At. fluor. spectrometry; Mercury; Preconcentration; Gold amalgamation, Cold vapour 236(1990)371

Hydrazine; Ammonia; Polypyrrole-based sensor; Acrylic strips 239(1990)257

Flow system; Organohalogens; Combustion; Preconcentration 241(1990)71

Spectrophotometry; Lasers, tunable diode; Nitric acid; Temperature sweep tuning 241(1990)95

Potentiometry; Ammonia; Ion-selective electrodes 244(1991) 179

At. abs. spectrometry; Lead; Manganese; Mercury; Electrostatic precipitation 245(1991)203

Mass spectrometry; Benzene; Charge exchange; Chloroethyl ethyl sulphide; Low-level air pollutants 245(1991)267

Spectrophotometry; Fibre-optic sensor; Hydrogen cyanide; Automatic detection, Light-emitting diodes 246(1991)259

Flow system; Amperometry; Alcohols; Enzyme reactor; Gas detection; Hydrogen peroxide; Sulphur dioxide; Continuous monitoring, Platinum electrode 248(1991)379

Flow system; Amperometry; Potentiometry; Chlorine; Gas detection; Hydrogen chloride; Continuous monitoring 248 (1991)391

Bromine; Ion mobility spectrometry 249(1991)503

Alanine

Flow system; Fluorimetry; Enzyme reactor; Serum; Beverages; Immobilized poly(vinyl alcohol) beads 239(1990)307

Alanine aminotransferase

Amperometry; Enzyme electrodes; Aspartate aminotransferase; Serum; Glutamate oxidase, Hydrogen peroxide 245 (1991)57

Alcohol dehydrogenase

Amperometry; Bioelectrode; Ethanol; NADH; Yeast 221 (1989)43

Alcohol dehydrogenase-catalyzed reactions

Emission spectrometry; Ethanol; Molecular emission cavity analysis 207(1988)355

Alcohol sensor

Amperometry; Membrane-bound alcohol dehydrogenase 218 (1989)61

Alcohol-FET sensor

Potentiometry; Blood ethanol; Enzyme system 207(1988)77

Alcoholic beverages

Flow system; Spectrophotometry; Enzyme reactor; Glucose; NADPH formed 211(1988)281

Alcohols

Spectrophotometry; Phase-transfer catalysis; Dithiocarbonate 230(1990)203

Quartz crystal resonator; Viscous liquids; Sugars; Piezoelectric sensor 231(1990)317

Potentiometry; Membrane sensors; Potassium; PVC-valinomycin 248(1991)323

Flow system; Amperometry; Air; Enzyme reactor; Gas detection; Hydrogen peroxide; Sulphur dioxide; Continuous monitoring, Platinum electrode 248(1991)379

Pattern recognition; Piezoelectric sensors; Acetoin; Amyl acetate; Menthone; Neural network; Odorants; Olfactory system; Back-propagation algorithm, Lipid-coated AT-cut quartz crystals 249(1991)323

Aldehydes

H.p.l.c.; Amperometry; Ketones; Photoelectrochemical detector; Mechanism, Alkyl, Aryl 215(1988)45

Gas chromatography; Alkenal-N-methylhydrazones 248(1991) 619

Flow system; Spectrophotometry; Enzyme reactor; Immobilized yeast aldehyde dehydrogenase, Controlled-pore glass 249(1991)145

Aldose reductase

Fluorimetry; Tissue samples 206(1988)357

Algorithm, recursive

Spectrophotometry; Signal averaging; Standard deviation 242 (1991)17

Algorithms

Chromatography; Column 222(1989)369

Potentiometry; Equilibrium constant 223(1989)419

Kinetic analysis 224(1989)289

Computer; Extraction; Silver nitrate 228(1990)229

Activ. analysis; Calibration, Determination 236(1990)417

Potentiometry; Standard additions 245(1991)283

Mass spectrometry; Isotope distribution 247(1991)107

Mass spectrometry; Elemental analysis 248(1991)71

Titrimetry; Copper complexes; Factor analysis; Multi-equilibria systems 248(1991)447

Multi-equilibria systems; Equilibrium constants 249(1991)353

Alizarin garnet R

Fluorimetry; Kinetic analysis; Aluminum 224(1989)363

Alkali metal halides

Coulometry; Titrimetry; Potentiometry; Trivalent metal sulphates; Hydrogen/palladium electrode 202(1987)231

Alkali metal ions

Voltammetry; Flow system; Alkaline earth metal ions; Glassy carbon fibres 220(1989)269

Ion exchange; Potentiometry; Liquid chrom.; Potassium ion; Valinomycin; Replacement ion chromatography 222(1989)95

Voltammetry; Alkaline earth metal ion; Electrochemical pretreatment; Glassy carbon fibre 222(1989)127

Flow system; Chromatography; Ion exchange; Cyclic voltammetry; Alkaline earth metal ions; Polyaniline-Nafion electrode 246(1991)275

Alkali metals

Potentiometry; Ion-selective electrodes; Alkaline earth metals; Polyacrylamide membrane, Acyclic poly(oxyethylene)neutral carriers, Thermodynamics 238(1990)351

Potentiometry; Array electrodes; Prussian Blue coating, Interdigitated, Chemiresistors 242(1991)249

Alkaline earth ions

Spectrophotometry; Crown ether dyes; Extraction; Synthesis 204(1988)113

Alkaline earth metal ions

Voltammetry; Flow system; Alkali metal ions; Glassy carbon fibres 220(1989)269

Voltammetry; Alkali metal ion; Electrochemical pretreatment; Glassy carbon fibre 222(1989)127

Crown complex; Extraction 224(1989)47

Flow system; Chromatography; Ion exchange; Cyclic voltammetry; Alkali metal ions; Polyaniline-Nafion electrode 246 (1991)275

Alkaline earth metals

Potentiometry; Ion-selective electrodes; Alkali metals; Polyacrylamide membrane, Acyclic poly(oxyethylene)neutral carriers, Thermodynamics 238(1990)351

Alkaline phosphatase

Amperometry; Bovine liver; Test strip; Theophylline; Whole blood 229(1990)57

Alkaloids

Liquid chrom.; Methylenedioxy-N-n-propylnoraporphine; Aporphines; Cunninghamella elegans O-dealkylation 233 (1990)191

Liquid chrom.; Fluorimetry; Benzophenanthridine; Papaveraceae 249(1991)231

Alkanes

Conductometry; Gas chromatography; Hydrogen; Semiconductor gas sensors; Simplex optimization 216(1989)147

Alkanethiols

Cyclic voltammetry; Ferrocenylalkanethiols; Gold electrode; Mixed monolayer films 246(1991)233

Alkanohydroxamic acids

Spectrophotometry; Copper; Computer program; LESSDAD, Least squares 234(1990)387

Alkanolamines

Liquid chrom.; Chemiluminescence; Chromatography; Ethanolamines; Ion-pair, Luminol 246(1991)447

Alkyl lysophospholipid

Fluorimetry; Diphenylhexatriene 227(1989)303

Alkylamines

H.p.l.c.; Fluorimetry; Post-column derivatization 212(1988)155

Alkylbenzenes

Gas chromatography; Structure retention relationship 212 (1988)317

Gas chromatography; Retention data, Physical property, Topological property 223(1989)161

Alkylchloramines

Spectrophotometry; Chloramines 231(1990)161

Alkyllead

Gas chromatography; At. abs. spectrometry; Grass; Speciation; Tree leaves 228(1990)77

Alkyllead species

Anod. stripping voltammetry; Separation, Coprecipitation, Differential-pulse 212(1988)349

Alkylporphyrins

Mass spectrometry; Porphyrins; Fast atom bombardment, Copper-induced dealkylation 241(1990)233

Alkylsilane

Gas chromatography; Blood serum; Fluoride 222(1989)121

Allopurinol

Potentiometry; Enzyme electrode; Biosensor; Carbon paste electrode, Xanthine oxidase 237(1990)91

Alloys

At. abs. spectrometry; Hydride generation; Lead; Soils; Oxalic acid-ammonium cerium(III) nitrate-potassium tetrahydroborate medium 231(1990)151

Flow system; Plasmas; Stainless steels; Inductively coupled, Multi-elemental analysis, Flow-through electrolytic cell 245 (1991)211

Alpha counter automation

2-π Proportional counting chamber 215(1988)337

Alpha spectrometry

Actinides; Urine; Preconcentration; Octyl(phenyl)-N,N-diiso-butylcarbamoylmethylphosphine oxide extractant 238(1990)263

Alternating regression

Gas chromatography; Mass spectrometry; Component reconstruction; Spectral primary space 250(1991)169

Alumina

I.r. spectrometry; Fourier transform; Photo-induced interaction; Rhenium; Hydroxylated alumina surface 240(1990)211

I.r. spectrometry; Fourier transform; Rhenium; Hydroxylated alumina surface 240(1990)215

Alumina columns

Liquid chrom.; Solvent strength; Selectivity; Retention mechanism; Polybutadiene-coated 246(1991)113

Alumina sampling tubes

Air; Hydrogen chloride 206(1988)289

Aluminium

Flow system; Spectrophotometry; Waters 207(1988)337

Phosphorimetry; Dialysis fluids; Waters; Room-temperature, Ferron chelate in micellar media 212(1988)235

Spectrophotometry; Ethyl tetrabromophenolphthalein; Nickel ion; Pyridyldiphenyltriazine; Steel 221(1989)109

Spectrophotometry; Simplex optimization 223(1989)403

Fluorimetry; Kinetic analysis; Alizarin garnet R 224(1989)363

At. abs. spectrometry; Fluoride; Matrix modifier; Graphite furnace 225(1989)233

Flow system; Liquid chrom.; Fluorimetry; Micelle 225(1989) 339

Flow system; Spectrophotometry; Xylenol orange; Zinc; Light emitting diode 230(1990)125

Fluorimetry; Surfactant vesicles; Quinolin-8-ol-5-sulphonic acid; Water, Dialysis fluid 234(1990)181

Flow system; Phosphorimetry; Micelle, Water, Dialysis fluid, Ferron chelate 234(1990)233

Spectrophotometry; Flow system; Waters; Pyrocatechol violet, Field monitor 238(1990)177

Ion exchange; Chromatography; Spectrophotometry; Preconcentration; Pyrocatechol violet, Aqueous samples 238(1990)279

Chemiluminescence; Fluorimetry; Phosphorimetry; Milk powder; Liquid room temperature, Ferron, Vesicles 238(1990)297

Diffl. pulse voltammetry; Iron; Waters; Carbon paste electrodes; Preconcentration; Nafion modifier, 1,10-Phenanthroline modified 241(1990)137

Ion exchange; Beryllium; Polystyrene-divinylbenzene resin, N-Benzoylphenylhydroxylamine functional group 242(1991)107

Fluorimetry; Waters; Eriochrome Red B, Hexamethylenete-tramine 243(1991)121

At. abs. spectrometry; Electrotherm. atomization; Bismuth; Graphite furnace, Chemical modification, Nickel nitrate, Copper nitrate, Diammonium EDTA 248(1991)251

Spectrophotometry; Thermal lens; Mode mismatched 250 (1991)95

Aluminium alloys

At. abs. spectrometry; Cobalt; Steels; Preconcentration; Tetradecyldimethylbenzylammonium thiocyanate adsorbent, Naphthalene support, Nitroso-R salt 237(1990)201

At. abs. spectrometry; Flow system; Copper; Electrolytic dissolution 243(1991)65

Amidines

Spectrophotometry; Gold; Extraction; Ores; Methylene blue, Diphenylbenzamidine 237(1990)491

Amidoxime

Ion exchange; Chelating resin; Holmium; Neodymium 221 (1989)325

Amine complexes

I.r. spectrometry; Kinetic analysis; Aniline complexes; Formation constants; Fourier transform, Organic acceptors, Tetracyanoethylene, Fluoranil 240(1991)347

Amine enantiomers

Liquid chrom.; Dansylproline chiral derivatization; Reversedphase, Diethyl phosphorocyanidate 243(1991)251

Amine oxidases

Spectrophotometry; Flow system; Polyamines; Enzyme reactor; Cells; Immobilized, Hydrogen peroxide, Sepharose 237 (1990)391

Amines

Flow system; Fluorimetry; Secondary, Non-aqueous 204 (1988)343

Spectrophotometry; Flow system; Nitrite; Aromatic primary 214(1988)207

Spectrophotometry; Primary and secondary aliphatic 218 (1989)157

Liquid chrom.; Chemiluminescence; Aminocoumarin; Luminarine; Peroxyoxalate 223(1989)309

Liquid chrom.; Fluorimetry; Dihydrodimethoxymethyloxoquinoxalinecarbonyl chloride 223(1989)319

Amperometry; Enzyme electrodes; Plant growth regulators; Carbon paste-pea seedling sensor, Diamine oxidase, Hydrogen peroxide 243(1991)1

Spectrophotometry; Kinetic analysis; Stopped-flow, Dialkyldithiocarbamates 244(1991)239

Fluorimetry; 2,3-Diphenylquinolizinium bromide 245(1991)217

Chemiluminescence; Flow system; Amino acids; Fenton's reagent; Schiff bases; Phenylacetaldehyde, Sodium bis(2-ethylhexyl)sulphosuccinate reversed micellar solution 247(1991)27

Amino acid analysis

N.m.r. spectrometry; Mass spectrometry; Humic substances; Soils; Waters; Fulvic acids; Isotope ratios 232(1990)19

Amino acid enantiomers

H.p.l.c.; Chiral complex eluent, Reversed-phase 204(1988)145

Amino acids

H.p.l.c.; Fluorimetry; Tryptophan; Photochemical reactor 205 (1988)7

Fluorimetry; H.p.l.c.; Carboxylic acids; Peptides; Laser-induced, Selective derivatization 205(1988)15

Flow system; Fluorimetry; Bioluminescence; Enzyme reactor; Serum; Urine; Branched-chain 205(1988)229

H.p.l.c.; Amperometry; Enzyme electrodes; Detectors 209 (1988)259

T.l.c.; Optimization function; Multidimensional 223(1989)411

Kinetic analysis; Kalman filter; Trinitrobenzenesulphonic acid 224(1989)263

Kinetic analysis; T.l.c.; Ninhydrin 224(1989)315

Chemiluminescence; Enzymatic assay; Glucose; Luminol; Micelle 225(1989)147

T.l.c.; Fluorimetry; Phosphorimetry; Coumarinsulphonyl chloride; Ion-pair 227(1989)155

Fluorimetry; Liquid chrom.; Fibre optic; Laser-induced 229 (1990)3

Liquid chrom.; Flow system; Liquid scintillation counting; Extraction; Reversed-phase, Phenylthiohydantoin derivatives 233(1990)181

Liquid chrom.; Glutamic acid; Chiral separation; Enantiomer separation; Chiral stationary phase, Cyclodextrin, Phthalaldehyde derivatization 234(1990)127

Flow system; Spectrophotometry; Lysine; Enzyme reactor 235(1990)329

Diffl. pulse polarography; Foods; Serum; Schiff's base, Borax buffer, Acetaldehyde 236(1990)307

Potentiometry; Tyrosine; Phenylalanine; Membrane electrodes; Enzyme reaction; Decarboxylase 239(1990)23

Liquid chrom.; Peptides; Micellar liquid chromatography, Micellar electrokinetic capillary chromatography, Acid-base ionization constants 239(1990)121

Emission spectrometry; Molecular emission cavity analysis; Indirect, Trinitrobenzenesulphonic acid, Sulphur emission 239(1990)161

Liquid chrom.; Chiral derivatization; Carbodiimides; Ivory identification; 2-N-benzyloxycarbonylamino acids, N, N'-Bis[(S)-1-phenylethyl]carbodiimide 239(1990)297

Chromatography; Enantioselective solubilization; Mixed-ligand complexes, N-alkyl-L-proline derivatives 242(1991)291

Ion exchange; Peptides; Hollow fibres; Nafion membrane; Permeation 244(1991)21

Amperometry; Cyclic voltammetry; Flow system; Liquid chrom.; Carbohydrates; Constant-potential amperometric detection, Metallic electrodes 244(1991)169

Spectrophotometry; Dithiocarbamates 246(1991)443

Chemiluminescence; Flow system; Amines; Fenton's reagent; Schiff bases; Phenylacetaldehyde, Sodium bis(2-ethylhexyl)sulphosuccinate reversed micellar solution 247(1991)27

Gas chromatography; Mass spectrometry; Protein synthesis 247(1991)255

Aminoacridine

Raman spectrometry; Silver substrates; Surface enhanced, Filter-paper, Silver membrane, Glass slide 237(1990)439

Aminoandrostane quaternary salts

Mass spectrometry; Steroids; Pipecuronium bromide; Fast atom bombardment, Arduan 241(1990)289

Aminochlorobenzophenone

Fluorimetry; Chlordiazepoxide hydrochloride 227(1989)309

Aminocoumarins

H.p.l.c.; Chemiluminescence; Fluorimetry 217(1989)11

Liquid chrom.; Chemiluminescence; Amine; Luminarine; Peroxyoxalate 223(1989)309

Aminomethoxypropane

D.c. polarography; Diffl. pulse polarography; Copper; Dimethylaminoethanol; Waters; Boiler water; Amine complexes, Reduction 239(1990)291

Aminomethylphosphonic acid

Gas chromatography; Glyphosate; Herbicide; Nitrogen-phosphorus detector 229(1990)277

Liquid chrom.; Fluorimetry; Glyphosate; Pesticides; Waters; Post-column fluorogenic labelling 233(1990)311

Aminophenanthroline

Spectrophotometry; I.r. spectrometry; Mass spectrometry; Iron(II) complexes; Ethanedial; Glyoxal; Carbon paste electrodes; Redox mediators 242(1991)233

Aminophenyl phosphate substrate

H.p.l.c.; Immunoassay; Voltammetry; Digoxin 214(1988)187

Aminopropyltriethoxysilane

Metal ion; Preconcentration; Silica gel 230(1990)179

Aminoquinoline

Amperometry; Pyrolytic graphite electrode 230(1990)91

Aminosilane

Fluorimetry; Radiometry; Protein; Thermally pretreated glass 228(1990)107

Ammonia

Flow system; Potentiometry; Hydrazine; pH; Power plant steam cycle 214(1988)367

Spectrophotometry; Flow system; Field monitor; Waters 214 (1988)401

Potentiometry; Gas-permeable tubular membrane 219(1989)

Flow system; Spectrophotometry; Urea 221(1989)173

Fluorimetry; Biosensor; Fibre-optic; Urea 227(1989)387

Fluorimetry; Gas sensor; Serum; Fibre-optic sensor; Fluoresceins 231(1990)231

Flow system; Chromatography; Fibre-optic sensor; Optosensing; Phosphate; Thin-layer detector 234(1990)31

Potentiometry; Ion-selective electrodes; Nitrogen; Differential, Membrane, Gas-sensing 237(1990)115

Hydrazine; Polypyrrole-based sensor; Air; Acrylic strips 239 (1990)257

Flow system; Optimization; Indophenol blue, Simplex method, Powell method 241(1990)31

Potentiometry; Ion-selective electrodes; Air 244(1991)179

Fluorimetry; Flow system; Nitrogen compounds; Creatinine; Enzyme reactor; Serum, Amino acids 245(1991)89

Ammonia membrane electrode

Potentiometry; Biosensor; Enzyme electrodes; Serum; Urea; Urease electrode; Activated poly(vinyl alcohol), Immobilized 249(1991)387

Ammonium

H.p.l.c.; Acetate; Antarctic ice; Fluoride; Formate; Methane-sulphonate 203(1987)11

Fluorimetry; Spectrophotometry; Urine; Gas-diffusion membrane, pH indicator 208(1988)81

Flow system; Ion-sensitive field effect transistor; pH; Waters; Flow-through 231(1990)53

I.r. spectrometry; Nitrate; Nitrite; Matrix isolation, Alkali metal halide pellets 240(1990)69

Ammonium ions

Flow system; Spectrophotometry; Ion exchange; Gas-diffusion separation 214(1988)121

Spectrophotometry; Indophenol blue; Salicylate, Nitroprusside 221(1989)147

Ammonium nitrate

Ion exchange; Metal complexes; Distribution coefficients; Ammines, Aquo complexes, Cation-exchange 233(1990)129

Ammonium selective microelectrode

Potentiometry; Gradients in immobilized urease 213(1988)259

Amniotic fluid

Emission spectrometry; Inductively coupled plasma, Metals 224(1989)73

Amphetamine

Fluorimetry; Immunoassay; Methamphetamine; Urine; Polarization 227(1989)287

Ampicillin

Spectrophotometry; Cloxacillin; Derivative spectroscopy; Pharmaceuticals 209(1988)175

Amplification

Polarography; Enzyme electrode; Glutamate; Alanine 236 (1990)437

Amyl acetate

Pattern recognition; Piezoelectric sensors; Acetoin; Alcohols; Menthone; Neural network; Odorants; Olfactory system;

Back-propagation algorithm, Lipid-coated AT-cut quartz crystals 249(1991)323

Amylase

Amperometry; Carbohydrate; Lactose; Oligosaccharide dehydrogenase; Enzyme electrode 230(1990)75

Gel perm. chromatography; Flow system; Enzyme reactor; Starch; Glycogen; Controlled-pore glass beads, Hydrolysis 234(1989)97

Fluorimetry; Fluorescence energy transfer, Double-labelled soluble starch, Fluorescein, Procion Red 236(1990)251

Anabolic agents

Chemiluminescence; Immunoassay; Bovine serum 205(1988) 243

Anaerobic adhesive

Diffl. pulse voltammetry; Copper; Iron; Glassy carbon electrode 217(1989)335

Anaesthetics

At. abs. spectrometry; Flow system; Pharmaceuticals; Indirect, Precipitation 215(1988)241

Analyte recognition

Carriers; Enzymes; Molecular interaction; Optical sensing; Transduction 250(1991)181

Aniline

Voltammetry; Carbon-paste electrode, N-Alkylated derivatives, Adsorption/extraction 204(1988)201

Spectrophotometry; Microemulsions; Vegetable oils; Diazotization, Coupling, Phase diagrams, Corn oil 235(1990)317

Aniline complexes

I.r. spectrometry; Kinetic analysis; Amine complexes; Formation constants; Fourier transform, Organic acceptors, Tetracyanoethylene, Fluoranil 240(1991)347

Animal feeds

Pattern recognition; Fodder plants; Rumen bacteria; Enzymatically changed, Genetic varieties 213(1988)177

Animal tissues

Flow system; Spectrophotometry; Creatine 208(1988)307

Anion monitoring

H.p.l.c.; Amperometry; Differential double-layer capacitance; Electrosorptive, Mercury electrodes 204(1988)95

Anion selectivity

Potentiometry; Ion-selective electrodes; Trifluoroacetophenones; Neutral ionophores, Solvent-polymeric membranes 233(1990)41

Anion-induced adsorption

D.c. polarography; Metal ions 218(1989)7

Anionic surfactants

Fluorimetry; Extraction; Waters; Ion-pair 206(1988)351

Anions

Ion exchange; Conductometry; Spectrophotometry; H.p.l.c.; Waters; Tiron eluent 206(1988)281

H.p.l.c.; Titrimetry; Gravimetry; Orthogonal regression; Waters 220(1989)207

Titrimetry; Conductometry; Tetra-*n*-octylammonium fluoride; Long-chain quaternary ammonium fluorides 238(1990)389

Annular denuder tube

Gas chromatography; Nitrobenzene; Nitrogen atmospheres; Electron-capture detection 217(1989)289

Antarctic ice

H.p.l.c.; Acetate; Ammonium; Fluoride; Formate; Methane-sulphonate 203(1987)11

Anthracene

Fluorimetry; Benzocarbazole; Solvent effect, Synchronous 215(1988)347

Phosphorimetry; Room-temperature, Solid substrate 225 (1989)415

Fluorimetry; Carbazole; Anthraquinones; Zone melting; Biphenyl medium, Synchronous 236(1990)505

Anthraquinones

Fluorimetry; Carbazole; Anthracene; Zone melting; Biphenyl medium, Synchronous 236(1990)505

Anti-HSA

Immunoassay; Voltammetry; Cyclic voltammetry; HSA; Immunosensors; Polymer-modified electrodes; Polypyrrole 249 (1991)381

Antibiotics

Mass spectrometry; Structure determination; Computer program; Protein; Peptides; MASSPEC, Graphics-based data system 237(1990)459

Cyclic voltammetry; Ionophores; Monensin; Lasalocid; Gel/electrolyte interface, charge transfer 244(1991)15

Antibiotics production

Flow system; H.p.l.c.; Process control; On-line 213(1988)1

Antibodies

Liquid chrom.; Human growth hormone; Serum; Protein G affinity, Reversed phase, Antigen-antibody complexes 249 (1991)185

Antibodies to peptides

Immunoassay; Denatured protein; Short synthetic, Specific recognition 213(1988)187

Antibody expression

Immunoassay; Electrophoresis; Enzyme-linked immunosorbent assay; Flow cytometry; Hybridoma cells; Monoclonal antibodies; Homogeneous continuous perfusion culture systems 249(1991)257

Antibody-based biosensors

Potentiometry; Biosensors; Immunoglobulins; Receptor-based biosensors; Serum 249(1991)67

Antibody-coated sensors

Piezoelectric sensing; Pesticides; Toluene; Film-free 217 (1989)111

Antilog converter

Flow system; Potentiometry 207(1988)325

Antimony

At. abs. spectrometry; Electrotherm. atomization; Semiconductor silicon; Solid samples 201(1987)311

Flow system; Kinetic analysis; Molybdenum blue 224(1989)373

At. abs. spectrometry; Hydride generation; Arsenic; Selenium; Sodium tetrahydroborate 237(1990)189

At. abs. spectrometry; Interferences; Transition metal ions; Hydride generation, Sodium tetrahydroborate 244(1991)129

At. abs. spectrometry; Extraction; Waters; Lactic acid complex, Malachite Green ion pair, Graphite furnace 247(1991)7

Antimony speciation

Potentiometry; Waters; Flow constant-current stripping, Gold fibre electrodes 202(1987)123

Antioxidants

Liquid chrom.; Time-domain differentiation; Computerized peak resolution; Propyl gallate; Butylhydroquinone; Foods 234(1990)263

Antipyretic

Liquid chrom.; Function of mutual information; Kalman filter; Mobile phase 222(1989)313

Antipyrinylazo and thiazolylazo compounds

Spectrophotometry; Titrimetry; Bismuth; Copper; Synthesis 212(1988)253

Antitarnish film

Raman spectrometry; X-ray photoelectron spectroscopy; Auger electron spectroscopy; Tin; Ethylenediaminetetra-(methylidenephosphonic acid) 238(1990)399

Apolane-87

Gas chromatography; Reference phase; Squalane 225(1989) 193

Aporphines

Liquid chrom.; Methylenedioxy-N-n-propylnoraporphine; Alkaloids; Cunninghamella elegans O-dealkylation 233(1990)191

Archaeological glass

Pattern recognition; Emission spectrometry; Origin, Supervised learning, Optical emission spectrography 201(1987)289

Argon-ion laser

Fluorimetry; Liquid chrom.; Polynuclear aromatic hydrocarbon 227(1989)173

Aromatic aldehydes

Fluorimetry; H.p.l.c.; 1,2-Diamino-4,5-ethylenedioxybenzene reagent 215(1988)259

Aromatic compounds

Polarography; Thermom. analysis; Biosensors; Oxygen electrode; *Pseudomonas cepacia*; Calcium alginate gel, Metabolism 249(1991)17

Array electrodes

Potentiometry; Alkali metals; Prussian Blue coating, Interdigitated, Chemiresistors 242(1991)249

Arsenate

Flow system; Spectrophotometry; Ion exchange; Phosphate; Silicate 204(1988)53

Chromatography; Ion exchange; Germanate; Phosphate; Silicate; Molybdenum blue reaction, Post-column detection 249 (1991)539

Arsenic

Potentiometry; Flow system; Sea water; Constant-current stripping, Gold fibre electrodes 201(1987)263

Potentiometry; Flow system; Seawater; Urine; Constant-current stripping 207(1988)37

Flow system; Mass spectrometry; Chloroform; Sample introduction 214(1988)385

Isotope dilut. analysis; Marine organism; Methylated arsenic 228(1990)85

Emission spectrometry; Plasma; Inductively coupled, Tandem on-line continuous separation 234(1990)133

At. abs. spectrometry; Hydride generation; Antimony; Selenium; Sodium tetrahydroborate 237(1990)189

At. abs. spectrometry; Extraction; Steels; Waters; Graphite furnace, Arsenomolybdic acid 247(1991)13

Arsenic speciation

Coprecipitation; Dibenzyldithiocarbamate; Neutron activation 222(1989)159

Arson

Gas chromatography; Fires; Sample preparation, Headspace analysis, Liquid-liquid extraction, Adsorption/elution, Distillation 236(1990)183

Artificial intelligence

Review 210(1988)9

N.m.r. spectrometry; Prediction of spectra; Carbon-13, Coding system 217(1989)85

I.r. spectrometry; Mass spectrometry; Spectrum interpreter 223(1989)135

Neural networks, Hierarchical clustering, Self-taught instrumentation 235(1990)53

Artificial-intelligence program

Mass spectrometry; Pattern recognition; Spectral feature/substructure relationships; Automated elucidation, Tandem 215(1988)169

Artists' paint

Spectrophotometry; Organic pigment; Derivative, Reflectance 226(1989)293

Arylamines

Spectrophotometry; Micelle; Sulphonamide; Diazotization, Pharmaceutical preparation 223(1989)327

Flow system; Spectrophotometry; Sulphonamides; Diazotization, Coupling, Micellar medium 242(1991)143

Ascorbate

Flow system; Amperometry; Cucumber juice as carrier 208 (1988)291

Ascorbic acid

Spectrophotometry; Pharmaceuticals 209(1988)309

Kinetic analysis; Spectrophotometry; Hexacyanoferrate 224 (1989)211

Kinetic analysis; Potentiometry; Biotin; *N*-bromosuccinimide; Pyridoxine hydrochloride; Thiamine hydrochloride 227(1989) 405

Voltammetry; Amperometry; Multivitamin preparation; Composite electrode 229(1990)63

Cyclic voltammetry; Amperometry; Diffl. pulse voltammetry; Carbon electrodes; Biosensor; Glutathione; Screen-printed, Cobalt phthalocyanine modifier 231(1990)203

Fluorimetry; Kinetic analysis; Vitamin pills; Fruit juice; o-Phenylenediamine 243(1991)89

Amperometry; Foods; Printed strip electrochemical sensor; Graphite, Tetracyanoquinodimethane modifier 243(1991)173

Spectrophotometry; Flow system; Vitamin C tablets 243 (1991)187

Spectrophotometry; Dichlorophenolindophenol, Iron interference 248(1991)225

Asparaginase

Conductometry; Biosensor; Enzyme reactor; Urea; Creatinine; Miniature, Multi-analyte, Electrode double layer capacitance 231(1990)33

Aspartame

Potentiometry; Sweeteners; Enzyme electrode 206(1988)369

Spectrophotometry; Enzyme reaction; Food; Peptidase cleavage, Glutamate oxidation 234(1990)465

Aspartate aminotransferase

Amperometry; Enzyme electrodes; Alanine aminotransferase; Serum; Glutamate oxidase, Hydrogen peroxide 245(1991)57

Aspartate electrode

Amperometry; Enzyme electrode 245(1991)63

Aspirin

Liquid chrom.; Acetylsalicylic acid; Pharmacokinetics; Microdialysis sampling; Rats, In vivo 246(1991)181

Atmosphere

Polichrom A; Preconcentration; Volatile organic compounds 226(1989)213

Atmospheric pollutants

I.r. spectrometry; Discriminant analysis techniques; Interferograms 246(1991)85

Atmospheric sampling

Mass spectrometry; Glow-discharge ionization source, Ion-trap 225(1989)25

Multivariate correlation analysis; Trace metals; River water 242(1991)5

ATI

Flow system; Chemiluminescence; Fibre-optic sensor; NADH; Enzyme system; Polyamide membrane 235(1990)243

Atrazine

Gas chromatography; Mass spectrometry; Herbicides; Water; Ion-trap 228(1990)69

Liquid chrom.; Fulvic acids; Ultrafiltration; Laurentian, Binding, Hydrolysis 232(1990)181

Liquid chrom.; Humic acid; Fulvic acid; Herbicides; Laurentian, Ultrafiltration 244(1991)135

Attenuated total reflection

I.r. spectrometry; Depth profiling; Poly(ethylene terephthalate) 240(1991)353

I.r. spectrometry; Liquid crystals; Nematic, 5CB, Modulation, Electric field response 240(1991)371

Auger electron spectroscopy

Raman spectrometry; X-ray photoelectron spectroscopy; Tin; Antitarnish film; Ethylenediaminetetra(methylidenephosphonic acid) 238(1990)399

Auto-by-cross correlation

Flow system; Photoionization spectroscopy; Signal processing; Transient signals; Transient photocurrent, Laser-excited photoionization 248(1991)195

Auto-optimization

N.m.r. spectrometry; Pattern recognition 221(1989)345

Autocatalytic effect

Voltammetry; Nitrate; Water; Second-sweep cyclic voltammetry, Mercury drop electrode 221(1989)131

Autoclave testing of glass bottles

Mass spectrometry; Pharmaceutical use, Leached ions, Secondary-ion 201(1987)145

Automated identification and plotting

Function, Microcomputer 210(1988)189

Automated micro batch analyser

Flow system; Conductometry; Spectrophotometry; Potentiometry; Fluorimetry; Microcomputer control 214(1988)107

Automated optimization

Flow system; Pattern recognition; Response surface mapping; Simplex optimization 237(1990)361

Automated spectral interpretation

I.r. spectrometry; Review; Structure determination; Computer-assisted interpretation of spectra; Knowledge-based system; Library search, Pattern recognition 240(1990)3

Automated structure elucidation

I.r. spectrometry; Symbolic logic; Computer program 220 (1989)155

Automated titrator

Titrimetry; Ion exchange; Chromatography; Process analysis; Gas treatment; Sulphur; Thiols 238(1990)161

Automation

Process analysis; Robots; Biological oxygen demand; Yoghurt; Acidity 238(1990)71

Autoprotolysis constants

Carboxylic acid; Dimethylformamide; Solvent effect 228 (1990)301

Potentiometry; Ternary solvent; Water-dioxane-methanol 229(1990)261

Voltammetry; Glass electrode; Acetonitrile; Standardization, Solvent composition, E.m.f. 244(1991)183

Aza-aromatics

Fluorimetry; Trifluoroethanol; Hydrogen-bonding solvent, Fluorescence enhancement 234(1990)353

Azidothymidine

Liquid chrom.; Plasma; AZT, AIDS, Dialysis, Preconcentration, Silver(I)-thiol 236(1990)165

Cyclic voltammetry; Diffl. pulse voltammetry; Coulometry; Chronocoulometry; Reduction mechanism, Electrode fouling 248(1991)399

Azinphos-methyl

Voltammetry; Cyclic voltammetry; Adsorptive stripping; Guthion; Waters 238(1990)383

Aziridinylquinones

Diffl. pulse polarography; D.c. polarography; Voltammetry; Potentiometry; Controlled potential electrolysis; Quinones; Bisaziridinylbis(ethoxycarbonylamino)benzoquinone; Diaziquone, Bioreductive alkylating quinones 234(1990)285

Azo dyes

Spectrophotometry; Waters; Sea water; Nitrite; Formation kinetics, N-1-Naphthylethylenediamine, Sulphanilamide 232(199)345

Spectrophotometry; Acid-base equilibria; Dissociation constants; Aqueous dimethylformamide 246(1991)429

B

Bacteria

Potentiometry; Immobilization; Lysine; Lysine decarboxylase; Sensor; Calcium alginate 229(1990)197

Flow system; Amperometry; Microorganisms; Microbiological sensor; Fungi; Escherichia coli 234(1990)247

Bacterial cultures

Fluorimetry; Fermentation; Mathematical models; Physiological state; Process analysis; *Clostridium acetobutylicum*, NADH fluoresence 249(1991)279

Bacterial peptidoglycan degradation

Fluorimetry; Lysozyme activities; Enzymatic synthesis 205 (1988)89

Barium

Spectrophotometry; Extraction; Geological samples 206 (1988)363

Emission spectrometry; Copper; Superconductor; Yttrium; Inductively coupled plasma 221(1989)167

Emission spectrometry; Sea water; Inductively coupled plasma 222(1989)55

Potentiometry; Ion-selective electrode 222(1989)211

Mass spectrometry; Waters; Sea water; Plasma; Isotope dilution; Inductively coupled 232(1990)323

Barium sulphophthalocyanines

Gas chromatography; Cobalt phthalocyanine; Polycyclic aromatic hydrocarbon; Adsorption, Thermal desorption 224 (1989)1

Bases

Spectrophotometry; Flow system; Acids 206(1988)313

Basic drug

Liquid chrom.; Expert system; Ion-pair 223(1989)1

Basicity

Titrimetry; Lysine; Proteins; Nonaqueous 202(1987)159

Bentonite clay

Galacturonic acid; Iron 226(1989)315

Benzene

Mass spectrometry; Air; Charge exchange; Chloroethyl ethyl sulphide; Low-level air pollutants 245(1991)267

Benzo[a]pyrene

Fluorimetry; Liquid chrom.; Solubilization; Polynuclear aromatic hydrocarbons; Coal washing water 243(1991)115

Benzo[a]pyrene tetraol

Immunoassay; Fluorimetry; Biosensor; Fibre-optic sensor; Laser excitation 236(1990)237

Benzocarbazole

Fluorimetry; Anthracene; Solvent effect, Synchronous 215 (1988)347

Benzodiazepines

Spectrophotometry; Microwave oven; Benzophenone 224 (1989)123

Chemiluminescence; Loprazolam 227(1989)65

Fluorimetry 227(1989)311

Fluorimetry; Tofisopam 227(1989)315

Voltammetry; Midazolam; Quality control; Adsorptive stripping 229(1990)145

Raman spectrometry; I.r. spectrometry; Nitrazepam; Nimetazepam; Clonazepam; Flunitrazepam; Fourier transform 240 (1991)287

Diffl. pulse voltammetry; Voltammetry; Oxazepam; Camazepam; Temazepam; Human serum albumin, Adsorptive stripping voltammetry 244(1991)49

Benzophenanthridine

Liquid chrom.; Fluorimetry; Alkaloids; Papaveraceae 249 (1991)231

Benzoquinones

Polarography; Quinones; Naphthoquinones; Bioreductive quinones, Mitomycin, Aziridinylquinone, Antitumour agents 233(1990)251

Beryllium

Titrimetry 207(1988)361

At. abs. spectrometry; Electrotherm. atomization; Urine; Matrix modifier 217(1989)271

Ion exchange; Aluminium; Polystyrene-divinylbenzene resin, N-Benzoylphenylhydroxylamine functional group 242(1991)107

Beverages

Flow system; Amperometry; Ethanol; Gas-diffusion membrane; Enzyme reactor; Immobilized alcohol dehydrogenase, Hydrogen peroxide 234(1990)213

Flow system; Liquid chrom.; Extraction; Caffeine; Zidovudine; Food; Urine 239(1990)171

Flow system; Fluorimetry; Alanine; Enzyme reactor; Serum; Immobilized poly(vinyl alcohol) beads 239(1990)307

Biacetyl

Phosphorimetry; Fat; Room temperature 227(1989)319

Kinetic analysis; Spectrophotometry; Serum; Urea 230(1990) 145

Bicinchoninic acid

Coulometry; Spectrophotometry; Voltammetry; Protein 221 (1989)223

Bienzyme electrode

Amperometry; Carnitine 208(1988)295

Biexponential degradation

Chemiluminescence; Bis(dinitrophenyl) oxalate; Peroxyoxalate; Diphenylanthracene 227(1989)37

Bilayer lipid membranes

Cyclic voltammetry; Electrical properties, Containing iodine and iodide 201(1987)51

Bile acids

Fluorimetry; Flow system; Liquid chrom.; Enzyme reactor; Serum; 3α -Hydroxysteroid dehydrogenase oxidation catalyst, NAD⁺ coenzyme 249(1991)461

Binary mixture

Spectrophotometry; Derivative spectrum 223(1989)395

Binary system

pH 221(1989)295

Binding

Fluorimetry; Adriamycin; Cisplatin; Tumorigenic cells; Terbium luminescence 205(1988)77

Binding constants

Liquid chrom.; Electrophoresis; Micellar chromatography; Capillary zone, Surfactants 231(1990)237

Binding parameters

Spectrophotometry; Drug-macromolecule binding parameters; Numerical analysis; Scatchard plot, Phenylbutazone, Oxyphenbutazone 244(1991)145

Biocatalytic accumulation

Amperometry; Enzyme electrodes; Preconcentration; Glucose 243(1991)17

Biochemical assays

Pattern recognition; Liver function 202(1987)175

Biocytin

Liquid chrom.; Biotin; Vitamins; Competitive binding; Fluorimetric detection 246(1991)103

Bioelectrode

Amperometry; Alcohol dehydrogenase; Ethanol; NADH; Yeast 221(1989)43

Bioelectrodes from plant tissue

Amperometry; Flow system; Dopamine; Dual electrode 218 (1989)281

Biological activity

Thermom. analysis; Aerobic and anaerobic wastewater-treatment; Flow microcalorimetry 213(1988)165

Biological cells

Diffl. pulse voltammetry; Biosensors; Nickel; Porphyrin microsensors; Carbon fibre ultramicroelectrodes, Single cells 249(1991)35

Biological fluids

Gas chromatography; Liquid chrom.; Organic acids; Serum; Urine; Extraction 236(1990)121

Biological materials

Hydride generation; At. abs. spectrometry; Selenium 201 (1987)331

Emission spectrometry; Dissolution; Environmental material; Microwave; Inductively coupled plasma 225(1989)159

Nitric acid; Pressure decomposition 226(1989)1

Nitric acid; Pressure decomposition 226(1989)17

Voltammetry; Nitric acid; Pressure decomposition 226(1989)31

Liquid chrom.; Amperometry; Spectrophotometry; Copper; Iron; Waters; Extraction; Cupferron derivatization 235(1990) 279

Gas chromatography; Mass spectrometry; Chloramphenicol; Urine; Eggs; Residues, Radioimmunoassay, Enzyme immunoassay 237(1990)61

Biological membranes

Flow system; Spectrophotometry; Protein; Peptides; o-Phthaldialdehyde, Post-column reaction, Subcellular particles 231(1990)249

Biological molecules

Voltammetry; Organic donor-acceptor electrodes 206(1988)75

Biological oxygen demand

Process analysis; Automation; Robots; Yoghurt; Acidity 238 (1990)71

Biological samples

Kinetic analysis; Polarography; Paraquat; Photoreduction; Soils; Waters 209(1988)79

At. abs. spectrometry; Mercury; Microwave dissolution; Gold amalgamation, Cold-vapour 220(1989)257

Gas chromatography; Emission spectrometry; Methylmercury; Headspace, Microwave-induced plasma 228(1990)93

Emission spectrometry; Nickel; Microwave-induced plasma; Preconcentration; Nickel carbonyl, Chromosorb 231(1990)265

Fluorimetry; Polynuclear aromatic hydrocarbons; Shpol'skii technique; Mussels; Terns 232(1990)245

Isotope dilut. analysis; Manganese; Foods; Spices; Thenoyl-trifluoroacetone complex 234(1990)445

Chromatography; Sample preparation; Pharmaceuticals; Pesticides; Serum; Blood; Extraction 236(1990)99

Activ. analysis; Rare earth elements; Preconcentration; Substoichiometric precipitation, Calcium oxalate 239(1990)115

Mass spectrometry; Proteins; Glycoproteins; Oligonucleotides; Carbohydrates; Matrix-assisted UV/laser desorption/ionization 241(1990)175

Mass spectrometry; Plasma desorption, Interferences, Vacuum Pump oil, Aluminium oxide clusters 241(1990)241

Mass spectrometry; Adamantanamines; Pharmaceuticals; Mass fragmentography 241(1990)261

At. fluor. spectrometry; Mercury; Reduction aeration, Microwave dissolution 242(1991)203

Mass spectrometry; Plasmas; Lithium; Serum; Foods; Inductively coupled, Standard Reference Materials 244(1991)259

Mass spectrometry; Liquid ionization; Sweat; Diethylene glycol, Exercise 246(1991)405

Conductometry; Elastase; Enzyme activity; *Pseudomonas aeruginosa*; Tetraalanine substrate, Insoluble elastin substrate 247(1991)79

Mass spectrometry; Boron; Nebulization; Inductively coupled plasma, Isotope ratio 248(1991)229

Mass spectrometry; Plasmas; Inductively coupled, Bovine liver, Fish tissue 249(1991)495

Gas chromatography; Fish; Mercury; Organomercury halides; Speciation; Butylation, Derivatization, Microwave-induced plasma emission detector 249(1991)545

At. abs. spectrometry; Electrotherm. atomization; Graphite furnace; Continuum source, Furnace atomic non-thermal excitation, Palladium and ruthenium modifiers 250(1991)71

Mass spectrometry; Macromolecules; Tandem sector mass spectrometers; Fourier transform 250(1991)105

Biological tissues

Flow system; Spectrophotometry; Phosphorus; Aluminium block digestion 209(1988)299

Flow system; At. abs. spectrometry; Cadmium; Microwave digestion; Zinc 214(1988)421

Bioluminescence

Flow system; Fluorimetry; Amino acids; Enzyme reactor; Serum; Urine; Branched-chain 205(1988)229

Biomarkers

Gas chromatography; Mass spectrometry; Hopanes; Petroleum; Triterpanes; Crude oil 235(1990)375

Biomass

Flow system; Sugars; Lactic acid; Protein; Fermentation; Enzyme reactor; On-line 237(1990)165

Spectrophotometry; Chemiluminescence; Flow system; Fermentation; Glucose; Lactic acid; Lactate; Gradient dilution, Hydrogen peroxide 247(1991)45

Biomaterials

Mass spectrometry; Biomineralization; Bone; Teeth; Secondary ion 241(1990)299

Biomembranes

Fluorimetry; Lindane; Quenching 205(1988)61

Biomineralization

Mass spectrometry; Biomaterials; Bone; Teeth; Secondary ion 241(1990)299

Biomolecule purification

Electrophoresis; Staining system; Automated 213(1988)207

Bioorganic molecules

Mass spectrometry; Formylaminoethanol; Oligosaccharides; Peptides; Fast atom bombardment, Matrix 241(1990)219

Bioprocess monitoring

Flow system; Spectrophotometry; Fermentation; Glucose ammonia proteins; Process analysis; Diode-array, Stopped-flow 249(1991)77

Flow system; Turbidimetry; Fermentation; Process analysis; Proteins; Pullulanase isoenzymes, Monoclonal antibodies 249 (1991)113

Bioreactors

Potentiometry; Voltammetry; Flow system; Fluorimetry; Yeasts; High-performance, On-line sensors 213(1988)199

Flow system; Fermentation; Membrane modules; Penicillin fermentation; Process monitoring; Ammonium, Glucose 249 (1991)123

Flow system; Immunoassay; Enzyme-linked immunosorbent assay; Process monitoring 249(1991)163

Biosensors

Potentiometry; Enzyme electrodes; Review; Electronic, Opto-electronic 213(1988)23

Fluorimetry; Glucose; Glucose oxidase 221(1989)195

Polarography; Fish meat; Hypoxanthine; Xanthine oxidase 221(1989)215

Amperometry; Salicylate; Whole blood 224(1989)39

Flow system; Fibre-optic; Fruit juice; Glucose; Wine 225 (1989)293

Fluorimetry; Immunoassay; Fibre-optic; Phenytoin 227(1989) 135

Fluorimetry; Ammonia; Fibre-optic; Urea 227(1989)387

Potentiometry; Immobilization; Coated-wire electrode 228 (1990)159

Flow system; Spectrophotometry; Immobilized enzyme 230 (1990)199

Amperometry; Enzyme reactor; Choline; Acetylcholine; Immobilized, Hydrogen peroxide 231(1990)27

Conductometry; Enzyme reactor; Urea; Asparaginase; Creatinine; Miniature, Multi-analyte, Electrode double layer capacitance 231(1990)33

Cyclic voltammetry; Amperometry; Diffl. pulse voltammetry; Carbon electrodes; Ascorbic acid; Glutathione; Screenprinted, Cobalt phthalocyanine modifier 231(1990)203

Potentiometry; Oxygen electrode; Ag/AgCl anode, Gold anode, Silicon wafer, Miniature Clark-type oxygen electrode, Semiconductor technique 233(1990)275

Flow system; Lactic acid; Fibre-optic sensor; Dairy fermentation; Kefir culture; Immobilized lactate oxidase 234(1990)107

Flow system; Fermentation; Enzyme electrode; Modified graphite electrode, Glucose dehydrogenase, Glucose 235 (1990)265

Immunoassay; Fluorimetry; Fibre-optic sensor; Benzo[a]pyrene tetraol; Laser excitation 236(1990)237

Potentiometry; Acetylcholine; Coated-wire electrode; Enzyme electrodes; Immobilized, Hydrogen ion-selective electrode 236(1990)441

Potentiometry; Allopurinol; Enzyme electrode; Carbon paste electrode, Xanthine oxidase 237(1990)91

Amperometry; Hydroxybutyrate; Blood; Plasma; Enzyme electrodes; Platinized carbon electrode, NADH 237(1990)99

Amperometry; Enzyme electrode; Catechol; Eggplant; Biamperometric, Carbon paste electrode, Polyphenol oxidases 237(1990)107

Flow system; Field effect transistor; Glucose; Urea; Penicillin; Cephalosporin C; Process analysis 238(1990)201

Thermom. analysis; Process analysis; Enzyme thermistor; Sugars; Glucose, Maltose, Sucrose, Fermentation 238(1990)211

Amperometry; Hydrogen peroxide; Enzyme electrode; Human erythrocytes, Catalase activity 239(1990)19

Amperometry; Enzyme electrodes; Glucose; Ugi reaction, Immobilization, Cyclohexyl cyanide, Glutaraldehyde 239 (1990)263

Cyclic voltammetry; Diffl. pulse voltammetry; Flow system; Plant tissue-vitreous carbon electrodes; Mushroom, Potato, Horseradish 242(1991)259

Chemiluminescence; Fibre-optic sensor; Enzyme-catalysed reactions; Self-contained, Entrapped co-reactant 243(1991)149

Potentiometry; Chemoreceptors; Trimethylamine oxide; Crab antennular receptrodes; Hawaiian crabs 243(1991)157

Amperometry; Enzyme electrodes; Hypoxanthine; Fish; Foods; Hydroxymethylferrocene electron-transfer mediator, Xanthine oxidase 244(1991)161

Ion exchange; Flow system; Glucose sensors; Poly(ester-sulfonic acid) coatings 245(1991)139

Amperometry; Flow system; Enzyme electrodes; Glucose; Glucose dehydrogenase, Benzene-1,4-dicarboxamide N,N-bis(benzophenoxazinyl) derivative 246(1991)283

Amperometry; Enzyme reactor; Foods; Sucrose; Yeast cell walls; Invertase, Mutarotation, Phosphate 247(1991)83

Flow system; Fluorimetry; Fibre-optic sensor; Foods; Glutamate; Pharmaceuticals; Oxygen optrode, Carbon dioxide optrode 248(1991)351

Amperometry; Acetaminophen; Blood; Paracetamol; Drystrip, Screen-printed 248(1991)361

Enzyme electrodes; Organic phase; Review 249(1991)1

Polarography; Thermom. analysis; Aromatic compounds; Oxygen electrode; *Pseudomonas cepacia*; Calcium alginate gel, Metabolism 249(1991)17

Flow system; Fluorimetry; Fermentation; Field-effect transistors; Process analysis; Thermistors; Ethanol, Mannitol, Penicillin, Urea, Sugars 249(1991)25

Diffl. pulse voltammetry; Biological cells; Nickel; Porphyrin microsensors; Carbon fibre ultramicroelectrodes, Single cells 249(1991)35

Amperometry; Glucose; Enzyme electrodes; Glucose dehydrogenase, Glucose oxidase 249(1991)43

Amperometry; Chloroplast membranes; Phytotoxicity; Thylakoid membranes; Waters; Herbicides, Heavy metals, Photoelectrochemical cell 249(1991)55

Fermentation; Sampling system; Coaxial catheter, Sterile monitoring, Glucose, Lactate, Blood 249(1991)61

Potentiometry; Antibody-based biosensors; Immunoglobulins; Receptor-based biosensors; Serum 249(1991)67

Voltammetry; Catecholamines; Enzyme reactor; Indoleamines; Ion-selective electrodes; Monoamine oxidase, Ammonia, Rat liver 249(1991)71

Kinetic analysis; Amperometry; Electron transfer; Quinoproteins; Methylamine dehydrogenase; Amicyanin, Cytochrome *c* 249(1991)235

Potentiometry; Ammonia membrane electrode; Enzyme electrodes; Serum; Urea; Urease electrode; Activated poly(vinyl alcohol), Immobilized 249(1991)387

Immunoassay; Potentiometry; Capacitance; Enterotoxin B; Semiconductors; Toxins; Antibody fixation, Grafted immunospecies 249(1991)367

Amperometry; Flow system; Chemically modified electrodes; Enzyme reactor; Immobilized, Selective detection 250(1991) 203

Amperometry; Immunoassay; Enzyme electrodes; Fibre-optic sensors; Immunosensors; Bioaffinity, Biocatalytic 250(1991)249

Biotechnology assays

Flow system; Spectrophotometry; High-sensitivity flow injection; Macromolecules 214(1988)87

Biotin

Kinetic analysis; Spectrophotometry; Competitive binding; Vitamin tablets; Homogeneous enzyme-linked 208(1988)43

Kinetic analysis; Potentiometry; Ascorbic acid; *N*-bromosuccinimide; Pyridoxine hydrochloride; Thiamine hydrochloride 227(1989)405

Liquid chrom.; Biocytin; Vitamins; Competitive binding; Fluorimetric detection 246(1991)103

Bis(2,4-dinitrophenyl) oxalate

I.r. spectrometry; Kinetic analysis; Hydrolysis; Decomposition products 247(1991)141

Bis(2,4-dinitrophenyl) oxalate degradation

Chemiluminescence; Spectrophotometry 205(1988)207

Bis(dinitrophenyl) oxalate

Chemiluminescence; Biexponential degradation; Peroxyoxalate; Diphenylanthracene 227(1989)37

Bis(trimethylpentyl)phosphinic acid

Extraction; Lanthanide 227(1989)397

Bis-2-chloroethyl sulphide

Ion mobility spectrometry; Digital filters; Vapour monitors; Narrow-bandpass 232(1990)261

Bisaziridinylbis(ethoxycarbonylamino)benzoquinone

Diffl. pulse polarography; D.c. polarography; Voltammetry; Potentiometry; Controlled potential electrolysis; Aziridinyl-quinones; Quinones; Diaziquone, Bioreductive alkylating quinones 234(1990)285

Bismuth

Potentiometry; Copper; Mercury; Urine; Constant-current stripping, Gold fibre electrode 202(1987)117

Anod. stripping voltammetry; Sea water; Square-wave, Glassy-carbon rotating-disk electrode 204(1988)161

Electrotherm. atomization; At. abs. spectrometry; Copper; Extraction; Zinc; Thiocyanate 209(1988)281

Spectrophotometry; Copper-base alloys; Extraction 211(1988) 305

Spectrophotometry; Titrimetry; Antipyrinylazo and thiazolylazo compounds; Copper; Synthesis 212(1988)253

Flow system; Spectrophotometry; Tetramethylenebis(triphenylphosphonium) cation 225(1989)449

I.r. spectrometry; Composites; Dielectric constant; Two-phase, Topology 240(1990)173

At. abs. spectrometry; Extraction; 2-(2-Benzoxazolyl)cyano-acetaldehyde, 2-(2-Benzoxazolyl)malonaldehyde 244(1991)123

At. abs. spectrometry; Electrotherm. atomization; Aluminium; Graphite furnace, Chemical modification, Nickel nitrate, Copper nitrate, Diammonium EDTA 248(1991)251

Bistrichlorophenyl oxalate

Chemiluminescence; Micellar system 217(1989)229

Blood

Fluorimetry; Triethylenethiophosphoramide 201(1987)77

Flow system; Fluorimetry; Enzyme reactor; Lactate; Immobilized 201(1987)351

Flow system; Potentiometry; Urea; Ammonium electrode, Immobilized urease 209(1988)239

Flow system; Potentiometry; Lead; Computerized stripping 209(1988)339

H.p.l.c.; Flow system; Voltammetry; Uracil derivatives; Urine; Differential pulse, Cathodic stripping 211(1988)175

Conductometry; Kinetic analysis; Enzyme activities 213(1988) 267

Fluorimetry; Cyanide; Urine; Taurine, Naphthalenedialdehyde 225(1989)351

Chemiluminescence; Flow system; Creatine kinase; Bioluminescence 227(1989)29

T.l.c.; Fluorimetry; Glutathione 227(1989)203

Spectrophotometry; Flow system; Ethanol; Enzyme reactor; Dialyser; Immobilized, Alcohol dehydrogenase 231(1990)115

Potentiometry; Potassium; Serum; Ion-selective electrodes; Silicon rubber tubular electrode, Valinomycin-treated 231 (1990)125

Enzyme reactor; Plasma; Glucose; Cellulose membranes; Dialysis cell, NADH, Haematocrit 231(1990)165

At. abs. spectrometry; Cadmium; Electrothermal atomization, Aqueous standards, L'vov platform 231(1990)283

Enzyme electrodes; Glucose; Polycarbonate membrane; Hydrogen peroxide, Isopropyl myristate 232(1990)357

Ion-selective electrodes; Ion-sensitive field effect transistor; Fibre-optic sensor; Ionophores; Sodium; Serum; Lipophilic, 1,2-Phenylenedioxydiacetamides 233(1990)295

Flow system; Amperometry; Enzyme electrode; Glucose; Mediator 234(1990)321

Chromatography; Sample preparation; Pharmaceuticals; Pesticides; Biological samples; Serum; Extraction 236(1990)99

Amperometry; Hydroxybutyrate; Plasma; Biosensor; Enzyme electrodes; Platinized carbon electrode, NADH 237(1990)99

Amperometry; Flow system; Glucose; Enzyme reactor; Chemically modified electrode, Segmented sample injection, On-line dialysis, Haematocrit 237(1990)405

Gas chromatography; Mass spectrometry; Ifosfamide 247 (1991)229

Amperometry; Acetaminophen; Biosensor; Paracetamol; Dry-strip, Screen-printed 248(1991)361

Blood ethanol

Potentiometry; Alcohol-FET sensor; Enzyme system 207 (1988)77

Blood glucose

Amperometry; Carbon-fibre; Glucose-oxidase; Stopped-flow dialysis 221(1989)205

Blood serum

Gas chromatography; Alkylsilane; Fluoride 222(1989)121

Phosphorimetry; Rodenticide; Warfarin; Room-temperature phosphorescence 222(1989)177

Fluorimetry; Calcein blue; Magnesium 227(1989)211

Flow system; Teniposide; Multivariate calibration 241(1990)23

Body fluids

Emission spectrometry; Elements; Discrete nebulization, Nitrous oxide/acetylene 207(1988)349

Spectrophotometry; Flow system; Urea; Urease reactor 218 (1989)151

Review; Ion-selective electrodes 233(1990)1

Boiler water

Polarography; Copper; Dimethyl aminopropanol; Volatile amine 229(1990)149

D.c. polarography; Diffl. pulse polarography; Copper; Aminomethoxypropane; Dimethylaminoethanol; Waters; Amine complexes, Reduction 239(1990)291

Bone

Mass spectrometry; Calcium; Accelerator; Rocks; Sample preparation 233(1990)101

Mass spectrometry; Biomineralization; Biomaterials; Teeth; Secondary ion 241(1990)299

Borate

Spectrophotometry; Diborane; Hydride generation; Boric acid 246(1991)413

Roron

Spectrophotometry; Ion exchange; Geological materials 211 (1988)243

Flow system; Emission spectrometry; Plasmas; Waters; Inductively coupled 218(1989)69

Titrimetry; Potentiometry; Metal borides; Multiparametric curve-fitting 219(1989)273

Flow system; Spectrophotometry; Soil; Ultrasonic leaching 226(1989)221

Extraction; Rocks; Isotopic ratios; Alkali fusion, Methyl borate distillation, Isotope dilution 231(1990)147

Flow system; Spectrophotometry; Waters; Preconcentration; Azomethine-H complex 234(1990)199

Mass spectrometry; Titanium; Plasmas; Inductively coupled; Reference material, Homogeneity 244(1991)115

Emission spectrom.; Direct current; Plasmas; Silica; Acid decomposition, Mannitol 245(1991)207

Mass spectrometry; Biological samples; Nebulization; Inductively coupled plasma, Isotope ratio 248(1991)229

Boron preservatives

Titrimetry; Wood; Collaborative studies; Statistical analysis; Quality control; Boric acid 236(1990)423

Boronic acid derivative

Fluorimetry; Liquid chrom.; Brassinosteroid 222(1989)201

Bovine brain tissue

Gangliosides; DNA probes; Pharmaceuticals; Quality control; Dot-blot hybridization 249(1991)291

Bovine liver

Amperometry; Alkaline phosphatase; Test strip; Theophylline; Whole blood 229(1990)57

Bovine serum

Chemiluminescence; Immunoassay; Anabolic agents 205 (1988)243

Bovine serum albumin

Voltammetry; Adsorptive stripping 212(1988)355

Brassinosteroid

Fluorimetry; Liquid chrom.; Boronic acid derivative 222 (1989)201

Liquid chrom.; Fluorimetry; Dansylaminophenylboronate 228 (1990)101

Brine

Spectrophotometry; Flow system; Calcium; Magnesium; Preconcentration 214(1988)439

Ion exchange; Rare earth elements; Preconcentration 220 (1989)243

Spectrophotometry; Flow system; Sulphite; Potassium chloride; Process analysis; 5,5'-Dithiobis(2-nitrobenzoic acid) 238 (1990)171

Bromide

Spectrophotometry; Kinetic analysis; Waters 206(1988)273

Potentiometry; Silver complexes stability constants; Thiocyanate; Monte Carlo methods 215(1988)187

Piezoelectric sensing; Catalysis of permanganate/iodide reaction 217(1989)327

Spectrophotometry; Flow system; Chloride; Waters; Mercury(II) and silver thiocyanate minicolumns 245(1991)115

Bromine

Air; Ion mobility spectrometry 249(1991)503

Bromopyridinium ion

Polarography; Potentiometry; Dissociation constant 224 (1989)109

Bromopyridylazodiethylaminophenol

Spectrophotometry; Nuclear reprocessing; Uranium 228 (1990)279

Liquid chrom.; Chelation; Mineral sample; Transition metal; Water 230(1990)23

N-Bromosuccinimide

Kinetic analysis; Potentiometry; Ascorbic acid; Biotin; Pyridoxine hydrochloride; Thiamine hydrochloride 227(1989)405

Brønsted acids

Potentiometry; Dissociation constants; Polyaza macrocycles; Polyoxa-polyaza macrocycles; Water, Deuterium oxide 245 (1991)271

Butylhydroquinone

Liquid chrom.; Time-domain differentiation; Computerized peak resolution; Propyl gallate; Antioxidants; Foods 234 (1990)263

C

Cadmium

Anod. stripping voltammetry; Cobalt; Copper; Lead; Nickel; Waters; Differential-pulse 204(1988)179

Potentiometry; Flow system; Lead; Nafion-modified carbon fibre electrodes; Urine; Zinc; Computerized flow, Stripping 207(1988)17

ExtractionZinc 207(1988)367

Anod. stripping voltammetry; Extraction; Indium; Lead; Thallium; Diethyldithiocarbamates 208(1988)219

Flow system; At. abs. spectrometry; Biological tissues; Microwave digestion; Zinc 214(1988)421

Anod. stripping voltammetry; Copper; Internal standard; Lead; Waters; High-accuracy, Differential-pulse, Indium 215 (1988)21

Anod. stripping voltammetry; Lead; Square-wave, Mercury-plated reticulated vitreous carbon electrode 219(1989)153

Polarography; Lead; Stability constant; Oxalate, Sulphate 223 (1989)429

Voltammetry; Microcomputer 225(1989)391

Polarography; Polyacrylic acid; Polymethacrylic acid; Zinc 229(1990)93

At. abs. spectrometry; Blood; Electrothermal atomization, Aqueous standards, L'vov platform 231(1990)283

At. abs. spectrometry; Extraction; Metal ions; Cobalt; Nickel; Zinc; Phosphine oxides; Liquid-liquid, 1-Phenyl-3-methyl-4-benzoyl-5-pyrazolone 232(1990)293

Chromatography; Spectrophotometry; Copper; Zinc; Preconcentration; Extraction; Reversed-phase partition, 2-(5-Bromo-2-pyridylazo)-5-dimethylaminophenol stationary phase 232(1990)393

At. abs. spectrometry; Lead; Mineral acids 233(1990)165

D.c. polarography; Indium; Polyethylene glycol monostearate 233(1990)325

Anod. stripping voltammetry; Diffl. pulse voltammetry; Lead; Mercury-poly(4-vinylpyridine) coating, Glassy carbon electrode 234(1990)479

At. abs. spectrometry; Waters; Environmental samples; Lead; Copper; Zinc; Evaporation; Preconcentration; Snow, Ice, Contamination 236(1990)391

At. abs. spectrometry; Electrothermal atomization, Molybdenum tube, Sulphur modifier, Interference, Atom formation processes 236(1990)479

Anod. stripping voltammetry; Voltammetry; Electrochemical cell; Lead; Epinephrine; Cylindrical graphite fibre microelectrode, Square-wave 237(1990)127

Anod. stripping voltammetry; Diffl. pulse voltammetry; Mercury electrodes; Polymer modified electrodes; Copper; Lead 238(1990)345

Potentiometry; Polarography; Coated-wire electrodes; Ion-selective electrodes; Neutral carrier, 4,4'-di(5-nonyl)-2,2'-bi-pyridine, Selectivity coefficients 248(1991)315

Voltammetry; Iridium microelectrode; Lead; Trace metals; Waters; Mercury-plated iridium disc, Square-wave stripping voltammetry 249(1991)419

Anod. stripping voltammetry; Lead; Cylindrical graphite fibre microelectrodes, In situ plated mercury films, Square-wave 249(1991)433

Activ. analysis; At. abs. spectrometry; Cobalt; Copper; Mercury; Preconcentration; Trace metals; Waters; Zinc; Poly(acrylamidoxime) resin 249(1991)533

Caesium hydroxide

I.r. spectrometry; High temperature spectrum 240(1991)383

Caffeine

H.p.l.c.; Octadecyl phases; Purine bases; Serum; High-density, Chemically bonded, Silica gels 208(1988)263

H.p.l.c.; Morphine; Plant materials; Quinine; Serum; Supercritical fluid extraction 213(1988)237

Spectrophotometry; Theobromine; Cocoa beans; Chloroform extraction 232(1990)409

Flow system; Liquid chrom.; Extraction; Zidovudine; Beverages; Food; Urine 239(1990)171

Liquid chrom.; Phosphorimetry; Theophylline; Theobromine; Solid-surface room-temperature 244(1991)215

Calcein blue

Fluorimetry; Blood serum; Magnesium 227(1989)211

Calcichrome structure

N.m.r. spectrometry; I.r. spectrometry; Spectrophotometry 217(1989)31

Calcium

H.p.l.c.; Spectrophotometry; Magnesium; Water; Post-column reaction 204(1988)87

Fluorimetry; Serum 209(1988)303

Fluorimetry; Fibre-optic sensor 212(1988)267

Spectrophotometry; Flow system; Magnesium; Waters; Simultaneous 212(1988)291

At. abs. spectrometry; Flow system; Interference removal; Flame 214(1988)339

Spectrophotometry; Flow system; Brine; Magnesium; Preconcentration 214(1988)439

Potentiometry; Titrimetry; Magnesium; Waters 218(1989)47

Potentiometry; Titrimetry; Oil-based drilling fluids 219(1989) 147

Spectrophotometry; Flow system; Lanthanum 222(1989)205

Spectrophotometry; Flow system; Magnesium; Diode-array, Arsenazo 224(1989)23

Mass spectrometry; Accelerator; Bone; Rocks; Sample preparation 233(1990)101

Potentiometry; Serum; Iminodiacetate complexation 233 (1990)269

Chromatography; Flow system; Ion exchange; Potentiometry; Ion-selective electrodes 242(1991)65

Spectrophotometry; Magnesium; Waters; PAR complexes 249(1991)513

Calcium carbonate

Potentiometry; Crystal growth; Phosphate; Urine 229(1990)249

Calcium carbonate scale

At. abs. spectrometry; Electrotherm. atomization; Carbonate rocks; Copper; Solid samples 209(1988)287

Calcium channel

Liquid chrom.; Chloroquine; Plasma 228(1990)155

Calcium ion sensor

Reflectance spectrometry; Optical sensor; Chromogenic crown ether 213(1988)251

Calcium selective electrodes

Flow system; Potentiometry 211(1988)213

Calcium selective optrode

Fluorimetry; Potentiometry; Langmuir-Blodgett film 217 (1989)1

Calibration

Emission spectrometry; Signal analysis; Inductively coupled plasma, Microlitre sample 226(1989)73

Flow system; Sample introduction; Variable-volume injector 234(1990)253

Spectrophotometry; Rare earth elements; Chromogenic reagents; Ill-conditioned system calibration 234(1990)483

Potentiometry; Enzyme reactor; Pyridostigmine; Plasma; Optimization 236(1990)431

Thermom. analysis; Capillary melting-point apparatus; Thermometers; International Temperature Scale, Fluxed highly pure metals 237(1990)241

Flow system; Amperometry; Sulphate; Indirect determination 238(1990)431

Raman spectrometry; Carbon; Peak temperature history; Carbon phenolic heat-shields, Multivariate, Loading vectors 240 (1990)35

Polynomial curve-fitting; Computer program; STATCAL-CALIBRA 241(1990)1

Flow system; Spectrophotometry; Interferences; Curvature correction, Gradient ratio calibration, Chloride, Phosphate 241(1990)15

X-ray fluores. spectrometry; Neural networks; Genetic algorithm, Backward error propagation 247(1991)97

Liquid chrom.; Factor analysis; Kalman filter; Multi-wavelength detection; Rank annihilation 250(1991)37

Calmodulin

Fluorimetry; Förster energy transfer; Protein dynamics; Transferrin 205(1988)161

Camazepam

Diffl. pulse voltammetry; Voltammetry; Oxazepam; Temazepam; Benzodiazepines; Human serum albumin, Adsorptive stripping voltammetry 244(1991)49

Camomile extract

Gas chromatography; Component number; Capillary, Statistical estimation 212(1988)165

Candida albicans

Immunoassay; Human olfactory function 217(1989)281

Canonical correlation analysis

Orange juice dilution 212(1988)309

Canonical discriminant analysis

Pattern recognition; Mass spectrometry; Molecular speciation; Microparticles; Principle component analysis; Nickel compounds; Laser microprobe 243(1991)139

Capacitance

Immunoassay; Potentiometry; Biosensors; Enterotoxin B; Semiconductors; Toxins; Antibody fixation, Grafted immunospecies 249(1991)367

Capillary

Electrophoresis; Liquid chrom. 250(1991)45

Capillary digestor

Spectrophotometry; Flow system; Phosphorus; Waters 214 (1988)229

Capillary flow cell

Flow system; Spectrophotometry; Pesticides; Optical fibres 234(1990)141

Capillary melting-point apparatus

Thermom. analysis; Calibration; Thermometers; International Temperature Scale, Fluxed highly pure metals 237(1990)241

Capillary suction pump

Flow system; Chemical sensors 209(1988)57

Carazolol

Liquid chrom.; Spectrophotometry; T.l.c.; Pig kidney; Tranquillizer 225(1989)137

Carbamates

Diffl. pulse polarography; D.c. polarography; Pirimicarb; Pesticides; Tast 234(1990)309

Carbamoylamino acids

Mass spectrometry; Urine; Urea cycle disorder; Fast atom bombardment, Tandem, *tert*-Butyldimethylsilyl derivatives 241(1990)273

Carbaryl

Fluorimetry; Fuberidazol; Pesticide mixture; Warfarin; Variable-angle scanning 228(1990)293

Carbazole

Fluorimetry; Anthracene; Anthraquinones; Zone melting; Biphenyl medium, Synchronous 236(1990)505

Carbodiimides

Diffl. pulse polarography; Cyclic voltammetry 234(1990)471

Liquid chrom.; Amino acids; Chiral derivatization; Ivory identification; 2-N-benzyloxycarbonylamino acids, N,N'-Bis[(S)-1-phenylethyl]carbodiimide 239(1990)297

Carbohydrates

Flow system; Amperometry; Enzyme reactor; Starch; Immobilized glucoamylase 204(1988)43

Amperometry; Conductometry; Pulsed 204(1988)323

Amperometry; Amylase; Lactose; Oligosaccharide dehydrogenase; Enzyme electrode 230(1990)75

Liquid chrom.; Amperometry; Enzyme reactor; Immobilized, Post-column derivatization 234(1990)13

Mass spectrometry; Biological samples; Proteins; Glycoproteins; Oligonucleotides; Matrix-assisted UV/laser desorption/ionization 241(1990)175

Amperometry; Flow system; Chemically modified electrodes; Nickel, Glassy carbon 243(1991)61

Amperometry; Cyclic voltammetry; Flow system; Liquid chrom.; Amino acids; Constant-potential amperometric detection, Metallic electrodes 244(1991)169

Liquid chrom.; Flow system; Cyclic voltammetry; Amperometry; Sugars; Nickel-catalysed glassy carbon electrode 248 (1991)117

Carbon

Raman spectrometry; Calibration; Peak temperature history; Carbon phenolic heat-shields, Multivariate, Loading vectors 240(1990)35

Carbon black extract

H.p.l.c.; Fluorimetry; Polynuclear aromatic hydrocarbons; Shpol'skii effect 208(1988)183

Carbon dioxide

Gas chromatography; Carbon monoxide; Methane; Temperature programmed decomposition 217(1989)197

Fluorimetry; Fibre-optic sensor 219(1989)223

Flow system; Sulphur dioxide; Wine; Gas-diffusion 225(1989) 443

Carbon disulphide

Flow system; Air; Hollow-fibre membrane 226(1989)171

Carbon electrodes

Cyclic voltammetry; Amperometry; Diffl. pulse voltammetry; Biosensor; Ascorbic acid; Glutathione; Screen-printed, Cobalt phthalocyanine modifier 231(1990)203

Carbon fibre electrodes

Voltammetry; Potentiometry; Hydrogen ion concentration 212(1988)23

Carbon monoxide

Gas chromatography; Carbon dioxide; Methane; Temperature programmed decomposition 217(1989)197

I.r. spectrometry; Nitric oxide; Platinum/silica catalysts; Adsorption 240(1990)139

Carbon paste electrodes

Voltammetry; Phase-sensitive alternating current, Background current 206(1988)385

Cyclic voltammetry; Diffl. pulse polarography; Celiptium; Pharmaceuticals; Lipid modification 236(1990)299

Diffl. pulse voltammetry; Iron; Waters; Aluminium; Preconcentration; Nafion modifier, 1,10-Phenanthroline modified 241(1990)137

Spectrophotometry; I.r. spectrometry; Mass spectrometry; Iron(II) complexes; Ethanedial; Glyoxal; Aminophenanthroline; Redox mediators 242(1991)233

Cyclic voltammetry; Amperometry; Iron(II) complexes; Ethanedial; Glyoxal; Redox mediators 242(1991)241

Carbon paste-electrode

Cyclic voltammetry; Gold; Chelating resin modified 232 (1990)367

Carbon-13 nuclear magnetic resonance

N.m.r. spectrometry; Computer-aided; Terpenoid identification; Natural products 236(1990)501

Carbon-fibre

Amperometry; Blood-glucose; Glucose-oxidase; Stopped-flow dialysis 221(1989)205

Carbon-fibre electrode

Liquid chrom.; Orcinol, Dihydroxynaphthalene 235(1990)273

Carbonate rocks

At. abs. spectrometry; Electrotherm. atomization; Calcium carbonate scale; Copper; Solid samples 209(1988)287

Carboxyl groups

Spectrophotometry; Polymers 219(1989)161

Carboxylic acids

Fluorimetry; H.p.l.c.; Amino acids; Peptides; Laser-induced, Selective derivatization 205(1988)15

Flow system; Spectrophotometry; Food; Soil; Citric acid 221 (1989)19

Autoprotolysis constants; Dimethylformamide; Solvent effect 228(1990)301

Liquid chrom.; Micelle; Partition coefficient; Ion-exclusion 230(1990)9

Gas chromatography; Waters; Nitrogen-selective detection, 2-Nitrophenylhydrazides 237(1990)215

Liquid chrom.; Wine; Optimization; Derivatization 242(1990) 25

Chemiluminescence; Luminol; Peroxyoxalate; Polyaromatic hydrocarbons 250(1991)145

Carboxylic acids, short chain

Gas chromatography; Mass spectrometry; Feces; Ion-trap detector 247(1991)223

Carboxylic resin

Ion exchange; Cation affinity; Phosphinic resin; Sulphonic resin 225(1989)323

Carnitine

Amperometry; Bienzyme electrode 208(1988)295

Carriers

Analyte recognition; Enzymes; Molecular interaction; Optical sensing; Transduction 250(1991)181

Catalysis

Spectrophotometry; Selenium; Resazurin reduction, Sulphide 232(1990)351

Catalysts

Spectrophotometry; Extraction; Rhenium; Microcrystalline benzophenone 204(1988)359

X-ray fluores. spectrometry; Platinum; Comparison 209(1988) 185

Flow system; Spectrophotometry; Dental alloys; Palladium 214(1988)271

Flow system; Kinetic analysis; Spectrophotometry; Reserpine; Manganese; Continuous-flow analysis, Manganese oxide reactor 233(1990)235

At. abs. spectrometry; Flame; Iron; Nickel; Cobalt; Molybdenum; Petroleum; Microwave oven digestion, Slurry 235(1990) 405

At. abs. spectrometry; Flow system; Mercury; Copper salts, Cadmium salts, Continuous microflow, Cold vapour 243 (1991)247

Catalytic end-point detection

Titrimetry; Kinetic analysis; Review 202(1987)1

Titrimetry; Chromium; Compleximetric 203(1987)91

Catechin

Liquid chrom.; Copper; Flavonoids; Electrochemical detection 232(1990)377

Catechol

Amperometry; Enzyme electrode; Biosensor; Eggplant; Biamperometric, Carbon paste electrode, Polyphenol oxidases 237(1990)107

Catechol compounds

Voltammetry; Stripping, Adsorptive accumulation 215(1988)29

Catechol electrode

Amperometry; Spinach leaves, Oxygen electrode 208(1988)287

Catecholamines

Fluorimetry; 1,2-Diarylethylenediamines 208(1988)59

H.p.l.c.; Urine; On-line purification 218(1989)119

Voltammetry; Biosensors; Enzyme reactor; Indoleamines; Ion-selective electrodes; Monoamine oxidase, Ammonia, Rat liver 249(1991)71

Cathodic stripping

Voltammetry; Selenium; Sea water; Waters; Copper 231 (1990)221

Voltammetry; Ultramicroelectrodes; Fast scan, Mercury hemispherical electrode, Silver disk electrode, Copper amalgam film electrode 239(1990)35

Cation affinity

Ion exchange; Carboxylic resin; Phosphinic resin; Sulphonic resin 225(1989)323

Cation affinity series

Ion exchange; Phosphonic acid resin 209(1988)363

Cation selectivity of crown ethers

Potentiometry; 13-Crown-4 and bis(13-crown-4) derivatives 215(1988)289

Cationic detergent

Multivariate calibration; Tensammetry 223(1989)387

Cationic surfactants

At. abs. spectrometry; Flow system; Extraction; Waters; Indirect, With tetrathiocyanatocobaltate 215(1988)233

Caustic scrubbing liquor

Spectrophotometry; Mercaptan; Sulphide; Simultaneous determination 226(1989)165

Celiptium

Cyclic voltammetry; Diffl. pulse polarography; Pharmaceuticals; Carbon paste electrode; Lipid modification 236(1990)299

Cell cultivation

Flow system; Amperometry; Enzyme cartridge; Glucose; Lactate 225(1989)253

Cell permeabilization

Flow system; Fluorimetry; Formate dehydrogenase activity; Intracellular enzyme activity; Yeast cells; *Candida boidinii* 248(1991)371

Cells

Fluorimetry; Metabolism; Methylumbelliferylxyloside 227 (1989)273

Spectrophotometry; Flow system; Polyamines; Amine oxidases; Enzyme reactor; Immobilized, Hydrogen peroxide, Sepharose 237(1990)391

Cellulose membranes

Enzyme reactor; Blood; Plasma; Glucose; Dialysis cell, NADH, Haematocrit 231(1990)165

Cellulose sorbent

At. abs. spectrometry; Copper; Preconcentration; Quinolinol 230(1990)163

Centrifugal partition chromatography

Liquid chrom.; Droplet countercurrent chromatography; Natural products 236(1990)63

Cephalexin

Kinetic analysis; Potentiometry; Cetyltrimethylammonium bromide; Pharmaceuticals; Sulphamethizole; Micellar catalysis 219(1989)295

Cephalosporin C

Flow system; Biosensor; Field effect transistor; Glucose; Urea; Penicillin; Process analysis 238(1990)201

Ceramics

Superconductors; Oxygen valence, Quantum-field model 233 (1990)155

Cerium

Ozone generation; Oxidation reactions; Foam flotation-separation; Mini ozonizer 238(1990)427

Certification of reference material

Serum; Trace elements; Freeze-dried human 204(1988)63

Cetyltrimethylammonium bromide

Kinetic analysis; Potentiometry; Cephalexin; Pharmaceuticals; Sulphamethizole; Micellar catalysis 219(1989)295

Chemiluminescence; Glucose oxidase; Hydrogen peroxide; Luminol; Micelle; Sensor 221(1989)11

Chalcogenide

I.r. spectrometry; Fourier transform; Fibres; Surface modification 240(1990)125

Characterization of stationary / mobile phases

H.p.l.c.; Reversed-phase retention; Using markers 212(1988)95

Charge exchange

Mass spectrometry; Air; Benzene; Chloroethyl ethyl sulphide; Low-level air pollutants 245(1991)267

Chelating resin

Ion exchange; Amidoxime; Holmium; Neodymium 221(1989) 325

Amperometry; Modified electrode; Preconcentration; Silver; Carbon paste electrode 229(1990)213

Rhodium; Iridium; Poly(vinyldiethylenetriamine) 245(1991)13

Chelation

Liquid chrom.; Bromopyridylazodiethylaminophenol; Mineral sample; Transition metal; Water 230(1990)23

Chemical engineering data base

Phase diagrams 210(1988)115

System architecture 210(1988)181

Chemical information systems

I.r. spectrometry; High-speed data-management 210(1988)73

Chemical oscillator

Enzyme analysis; Peroxidase-oxidase, Period doubling 237 (1990)381

Chemical reagents

Spectrophotometry; Manganese; Plants 204(1988)355

Chemical sensor testing

Flow system; Potentiometry; Urease sensor; On-line analysis 204(1988)7

Chemical sensors

Flow system; Capillary suction pump 209(1988)57

Chemical shift

N.m.r. spectrometry; Computer 229(1990)17

N.m.r. spectrometry; Computer program 242(1991)43

Chemical shift prediction

N.m.r. spectrometry; Hybridized carbon atoms 248(1991)415

Chemical substructures

Data-base searching; Parallel hardware, Protein data bank 235(1990)77

Data-base searching; Beilstein, Comparison of systems 235 (1990)87

Chemically modified electrodes

Flow system; Amperometry; Electrochemical detection 234 (1989)41

Amperometry; Flow system; Carbohydrates; Nickel, Glassy carbon 243(1991)61

Amperometry; Sulphydryl compounds; Rotating graphite electrodes, Electrocatalytic oxidation 243(1991)287

Amperometry; Flow system; Biosensors; Enzyme reactor; Immobilized, Selective detection 250(1991)203

Chemically modified silica

Liquid chrom.; Dialkyldithiocarbamate; Enrichment 225 (1989)303

Chemically sterilizable barrier

Flow system; Amperometry; Fermentor monitoring; Glucose; Oxygen 216(1989)299

Chemicals

Anod. stripping voltammetry; Silver; Nafion/crown ether film electrode 212(1988)341

Chemometric program

Expert system 210(1988)33

Chemometrics

Principal components; Cluster analysis; Ethanol; Partial least squares; Solvent identification; Tin oxide thin-film sensor array 250(1991)257

Chemoreceptors

Potentiometry; Biosensors; Trimethylamine oxide; Crab antennular receptrodes; Hawaiian crabs 243(1991)157

Chinese hamster

Fluorimetry; Fluoronitro benzoxadiazole; Ovary cell; Phthalaldehyde 223(1989)299

Chiral derivatization

Liquid chrom.; Amino acids; Carbodiimides; Ivory identification; 2-N-benzyloxycarbonylamino acids, N, N'-Bis[(S)-1-phenylethyl]carbodiimide 239(1990)297

Chiral organic anion extractants

Spectrophotometry; Cinchona alkaloids; Extraction; Ion-pair 215(1988)119

Chiral separation

Liquid chrom.; Amino acids; Glutamic acid; Enantiomer separation; Chiral stationary phase, Cyclodextrin, Phthalaldehyde derivatization 234(1990)127

Chromatography; Optical purity; Micellar electrokinetic chromatography; Trimetoquinol hydrochloride; Laudanosoline, Norlaudanosoline, Laudanosine, Sodium taurodeoxycholate 236(1990)281

Chiral stationary phase

Gas chromatography; Enantiomers; Cyclodextrins 234(1990) 365

Chirality

Metal chelate; Solvent extraction 221(1989)179

Chloramines

Spectrophotometry; Chlorine; Ultraviolet absorption spectra; In carbon tetrachloride 209(1988)321

Spectrophotometry; Alkylchloramines 231(1990)161

Liquid chrom.; Amperometry; Waters; Glassy carbon electrode 237(1989)149

Chloramphenicol

Gas chromatography; Mass spectrometry; Urine; Eggs; Biological materials; Residues, Radioimmunoassay, Enzyme immunoassay 237(1990)61

Chlorate

Flow system; Spectrophotometry; Chlorite 225(1989)437

Chlordiazepoxide

Voltammetry; Serum; Adsorptive stripping, Hanging mercury drop electrode 201(1987)275

Chlordiazepoxide hydrochloride

Fluorimetry; Aminochlorobenzophenone 227(1989)309

Chloride

Flow system; Spectrophotometry; Detection limit 214(1988)447

Spectrophotometry; Flow system; Bromide; Waters; Mercury(II) and silver thiocyanate minicolumns 245(1991)115

Potentiometry; Ion-selective electrodes; Nitrate; Waters; Remote analysis station, Coated-wire 248(1991)285

Chlorinated pesticides

Raman spectrometry; Surface-enhanced 206(1988)333

Chlorinated phenoxy acids

Flow system; Liquid chrom.; Spectrophotometry; Mass spectrometry; Extraction; Organic pollutants; Pesticides; Waters; On-line continous-flow, Organophosphorus 234(1990)119

Chlorine

Flow system; Spectrophotometry; Waters; Residual 208(1988) 317

Spectrophotometry; Chloramines; Ultraviolet absorption spectra; In carbon tetrachloride 209(1988)321

Potentiometry; Flow system; Waters 214(1988)349

Polarography; Phenylthiourea solutions; Waters; Linear-sweep, Active 215(1988)37

Kinetic analysis; Flow system; Oxychlorine 224(1989)383

Chemiluminescence; Ion exchange; Waters; Uranine; Tap, Amberlite anion-exchange resin, Chloramines, Immobilized, Xanthene dye 231(1990)7

Spectrophotometry; Diffuse reflectance; Optical fibre sensor; o-Toluidine, Nylon strip, Dry reagent 244(1991)71

Cyclic voltammetry; Microelectrodes; Waters; Platinum microdisc, Gold microdisc and microband 246(1991)267

Flow system; Amperometry; Potentiometry; Air; Gas detection; Hydrogen chloride; Continuous monitoring 248(1991)391

Chlorine dioxide

Amperometry; Cyclic voltammetry; Pulp bleaching; Paper; Process analysis; In-line monitoring 238(1990)223

Chlorine species

Spectrophotometry; Free chlorine; Acid Yellow 17, N,N-Diethyl-p-phenylenediamine, Leuco crystal violet 249(1991)519

Chlorite

Diffl. pulse polarography; Waters 204(1988)169

Flow system; Spectrophotometry; Chlorate 225(1989)437

Amperometry; Water; Continuous determination 226(1989) 121

Chloroacetaldehyde

Fluorimetry; Liquid chrom.; Adenine derivative; Chlorofluorobenzyladenine; Plasma 227(1989)189

Chlorobenzenesulphonic acid

I.r. spectrometry; Waters 219(1989)165

Chloroethyl ethyl sulphide

Mass spectrometry; Air; Benzene; Charge exchange; Low-level air pollutants 245(1991)267

Chlorofluorobenzyladenine

Fluorimetry; Liquid chrom.; Adenine derivative; Chloroacetaldehyde; Plasma 227(1989)189

Chloroform

Voltammetry; Cresol; Enzyme electrode; Waters 213(1988)113

Flow system; Mass spectrometry; Arsenic; Sample introduction 214(1988)385

Chloroplast membranes

Amperometry; Biosensors; Phytotoxicity; Thylakoid membranes; Waters; Herbicides, Heavy metals, Photoelectrochemical cell 249(1991)55

Chloroquine

Fluorimetry; Extraction; Plasma 206(1988)339

Liquid chrom.; Calcium channel; Plasma 228(1990)155

Chlorotriazine

I.r. spectrometry; Spectrophotometry; Immobilization; Silica gel; Trihydroxyazobenzene; Diffuse-reflectance 228(1990)235

Chlorotriazine pesticides

Gas chromatography; Mass spectrometry; Organophosphorus pesticides; Pesticides; Soils 243(1991)259

Cholesterol

Flow system; Amperometry; Enzyme reactor; Serum 207 (1988)319

Amperometry; Enzyme electrodes; Lactate; Pyruvate; Uric acid; Oxidase-peroxidase bilayer-modified, Hydrogen peroxide 242(1991)85

Choline

Flow system; Amperometry; Ion exchange; Acetylcholine; Enzyme reactor; Lipids 214(1988)173

Amperometry; Acetylcholine; Acetylcholinesterase; Choline oxidase; Sensor; Photocross-linkable polymer 228(1990)49

Amperometry; Biosensor; Enzyme reactor; Acetylcholine; Immobilized, Hydrogen peroxide 231(1990)27

Choline acetyltransferase

Chemiluminescence; Immunoassay; Tissue extracts 205(1988) 183

Choline oxidase

Amperometry; Acetylcholine; Acetylcholinesterase; Choline; Sensor; Photocross-linkable polymer 228(1990)49

Choline-sensitive membrane electrode

Potentiometry; Phosphatidylcholine; Serum 217(1989)193

Cholinergic agents

Acetylcholine receptor based biosensor 213(1988)131

Chromatography, peak noise

Chromatography; Signal/noise enhancement; Matched filtering; Theory 235(1990)343

Chromatography; Signal/noise enhancement; Matched filtering; Program and simulation 235(1990)355

Chromium

Titrimetry; Catalytic end-point detection; Compleximetric 203(1987)91

Spectrophotometry; Hydrogen peroxide interference, Diphenylcarbazide 209(1988)315

Macroporous resin; Preconcentration; Quinolinol; Sea water 224(1989)55

Flow system; Chemiluminescence; Flavin mononucleotide; Cationic micellar surfactant modifier, Hydrogen peroxide 232 (1990)385

Emission spectrometry; Plasma; Inductively coupled, Simultaneous trace element determination 233(1990)243

Activ. analysis; Fulvic acids; Waters; Gamma counting 236 (1990)357

Potentiometry; Titrimetry; Steel; High-alloy, Reference method, Dissolution 236(1990)399

Flow system; At. abs. spectrometry; Preconcentration; Poly(hydroxamic acid) resin 236(1990)469

Liquid chrom.; Rare earth elements; Thorium; Ores; Ion pairing, Complexes, Precolumn derivatization 237(1990)311

Ion exchange; At. abs. spectrometry; Waters; Preconcentration 238(1990)273

Spectrophotometry; Galacturonic acid; Reduction, Complexes, Stability constants 248(1991)301

Chromium speciation

Chemiluminescence; Kinetic analysis; Carboxylate ligands, Humic acid 206(1988)263

Chromogenic reagents

Spectrophotometry; Rare earth elements; Ill-conditioned system calibration; Calibration 234(1990)483

Chronoamperometry

Cyclic voltammetry; Lead; Carbon fibre electrodes 212(1988)

Digital simulation; Chronopotentiometry; Saul'yev methods, Boundary conditions 239(1990)87

Chronocoulometry

Cyclic voltammetry; Diffl. pulse voltammetry; Coulometry; Azidothymidine; Reduction mechanism, Electrode fouling 248(1991)399

Chronopotentiometry

Potentiometry; Knowledge-based system; Elucidation of electrode reaction mechanisms 211(1988)61

Digital simulation; Chronoamperometry; Saul'yev methods, Boundary conditions 239(1990)87

Chymotrypsin

Molecular recognition; Electrostatic features, Cyclic urea mimics 210(1988)151

Cigarettes

Gas chromatography; Tobacco smoke; Alkanes, Hydrocarbons, Particulate matter 236(1990)213

Cinchona alkaloids

Spectrophotometry; Chiral organic anion extractants; Extraction; Ion-pair 215(1988)119

Extraction; Usnic acid optical isomers, Metal complexes 248 (1991)501

Circular dichroism spectroscopy

Lanthanide complexation; Erbium; Polyimide film; Factor analysis; Kalman filter 246(1991)1

Cisplatin

Fluorimetry; Adriamycin; Binding; Tumorigenic cells; Terbium luminescence 205(1988)77

Citric acid

Ion exchange; Dissociation constant; Ternary system 222 (1989)189

Gas chromatography; Isocitric acid; Malic acid; Fruit juice; Lemon juice; Adulteration, Acyl esters 239(1990)165

Classification

Pattern recognition; Supervised technique; Sample size 223 (1989)19

Climbazol

Liquid chrom.; Shampoo; Cosmetics; Preservative 235(1990) 465

Clinical analysis

Mass spectrometry; Trace metals; Isotopes; Fast atom bombardment, Monohydride formation 241(1990)249

Clinical data validity

Process control characteristics; Model 211(1988)43

Clinical test devices

Immunoassay; Disposable analytical devices; Printed liquidic circuits; Switch devices 249(1991)263

Clonazepam

Raman spectrometry; I.r. spectrometry; Benzodiazepines; Nitrazepam; Nimetazepam; Flunitrazepam; Fourier transform 240(1991)287

Clostridiopeptidase A

Spectrophotometry; Collagenase; Enzyme amplification; Solid-supported, Single-enzyme, Multi-enzyme 232(1990)273

Cloxacillin

Spectrophotometry; Ampicillin; Derivative spectroscopy; Pharmaceuticals 209(1988)175

Cluster analysis

Odour quality; Semantic description 239(1990)73

Principal components; Chemometrics; Ethanol; Partial least squares; Solvent identification; Tin oxide thin-film sensor array 250(1991)257

Coal

Potentiometry; H.p.l.c.; Fluorine; Minerals; Pyrohydrolysis 202(1987)61

Coal ash

X-ray fluores. spectrometry; Ion exchange; Leach liquors 220 (1989)217

Coal fly ash

At. abs. spectrometry; Mercury; Gold amalgamation, Cold vapour 243(1991)71

At. abs. spectrometry; Selenium; Graphite furnace, Cadmium-palladium chemical modifier 247(1991)19

Coal washing water

Fluorimetry; Liquid chrom.; Solubilization; Benzo[a]pyrene; Polynuclear aromatic hydrocarbons 243(1991)115

Coated-wire electrodes

Potentiometry; Titrimetry; Palladium halide complex; PVC membrane, Aluminium 209(1988)357

Potentiometry; Acetylcholine; Biosensor; Enzyme electrodes; Immobilized, Hydrogen ion-selective electrode 236(1990)441

Potentiometry; Charge carrier, Ferrocene, Response time, Selectivity 236(1990)445

Cyclic voltammetry; pH sensor; Waters; Chemically modified electrode, Poly(4,4'-diaminobiphenyl) 244(1991)165

Potentiometry; Polarography; Cadmium; Ion-selective electrodes; Neutral carrier, 4,4'-di(5-nonyl)-2,2'-bipyridine, Selectivity coefficients 248(1991)315

Cobalt

Anod. stripping voltammetry; Cadmium; Copper; Lead; Nickel; Waters; Differential-pulse 204(1988)179

Voltammetry; Plants; Adsorption stripping 207(1988)103

Flow system; Kinetic analysis; Waters; In-line preconcentration 207(1988)331

Flow system; Potentiometry; Nickel; Constant-current stripping, Carbon fibre electrodes 208(1988)237

Ion exchange; At. abs. spectrometry; Copper; Manganese; Nickel; Tellurium metal 212(1988)191

Kinetic analysis; Spectrophotometry; Nickel; Resolution of binary mixtures; Interpolation 212(1988)223

H.p.l.c.; Chemiluminescence; Rice flour 217(1989)157

At. abs. spectrometry; Electrotherm. atomization; Iron; Nickel; Molybdenum tube 217(1989)377

Chemiluminescence; Ion exchange; Liquid chrom.; Ion chromatography 221(1989)249

Flow system; Spectrophotometry; Ethylenebis(triphenylphosphonium) cation; Extraction 225(1989)123

Voltammetry; Surfactant; Mercury electrode 228(1990)55

Spectrophotometry; Multi-component analysis; Quinolinol 230(1990)221

At. abs. spectrometry; Extraction; Metal ions; Nickel; Zinc; Cadmium; Phosphine oxides; Liquid-liquid, 1-Phenyl-3-methyl-4-benzoyl-5-pyrazolone 232(1990)293

At. abs. spectrometry; Preconcentration; Extraction; Liquid surfactant membranes; Graphite furnace, Liquid-liquid 232 (1990)389

At. abs. spectrometry; Flame; Iron; Nickel; Molybdenum; Catalysts; Petroleum; Microwave oven digestion, Slurry 235 (1990)405

Chromatography; Chemiluminescence; Flow system; Copper; Iron; Ion chromatography, Cation-exchange column 236 (1990)287

Voltammetry; Derivative adsorption 236(1990)453

At. abs. spectrometry; Aluminium alloys; Steels; Preconcentration; Tetradecyldimethylbenzylammonium thiocyanate adsorbent, Naphthalene support, Nitroso-R salt 237(1990)201

Spectrophotometry; Derivative spectroscopy; Complexation; Nitropyridylhydrazones 244(1991)223

Polarography; Reduction mechanism; Malonate complexes, Succinate complexes 248(1991)409

Activ. analysis; At. abs. spectrometry; Cadmium; Copper; Mercury; Preconcentration; Trace metals; Waters; Zinc; Poly(acrylamidoxime) resin 249(1991)533

Cobalt phthalocyanine

Gas chromatography; Barium sulphophthalocyanines; Polycyclic aromatic hydrocarbon; Adsorption, Thermal desorption 224(1989)1

Potentiometry; Phosphate; Poly(vinyl chloride); Coatedwire/field-effect transistor 224(1989)145

Cobalt-ammonia complexes

Polarography; Dropping mercury electrode; Reduction mechanism; Stability constants 231(1990)143

Cocoa beans

Spectrophotometry; Theobromine; Caffeine; Chloroform extraction 232(1990)409

Collaborative studies

Titrimetry; Boron preservatives; Wood; Statistical analysis; Quality control; Boric acid 236(1990)423

Collagenase

Spectrophotometry; Clostridiopeptidase A; Enzyme amplification; Solid-supported, Single-enzyme, Multi-enzyme 232 (1990)273

Collision-activated dissociation

Mass spectrometry; Sustained off-resonance irradiation, Fourier transform, Infrared multiphoton dissociation 246 (1991)211

Collision-induced dissociation

Mass spectrometry; Ethylguanine isomers; Laser desorption; Fourier transform 247(1991)235

Colloid

Copper; Iron; River water 227(1989)421

Colloidal electrolytes

Amperometry; Titrimetry; Polarography; Dodecylquinolinium bromide; Potassium dichromate, Potassium hexacyanoferrate(III), Ammonium molybdate 236(1990)325

Colour changes of indicators

Spectrophotometry; Computer program 204(1988)311

Column dead time

Gas chromatography; Capillary 215(1988)311

Combustion

Mass spectrometry; Elemental analysis; Nitrogen 226(1989)345

Flow system; Conductometry; Organohalogens; Preconcentration; Air 241(1990)71

Compatibility

Pattern recognition; Eigenvector; Triterpane; Oil 223(1989)45

Competitive binding

Kinetic analysis; Spectrophotometry; Riboflavin; Urine; Homogeneous enzyme-linked 208(1988)31

Kinetic analysis; Spectrophotometry; Biotin; Vitamin tablets; Homogeneous enzyme-linked 208(1988)43

Liquid chrom.; Biotin; Biocytin; Vitamins; Fluorimetric detection 246(1991)103

Competitive equilibrium constants

N.m.r. spectrometry 220(1989)171

Complexants

Voltammetry; D.c. polarography; Fulvic acids; Metal-fulvic complexes; Diffusion coefficient, Distribution function 232 (1990)209

Fulvic acids; Metal-fulvic complexes; Buffering action, Background sites 232(1990)225

Complexation

Polarography; Tin; Dimethylformamide; Acetonitrile; Free energy of transfer, Stability constants 242(1991)295

Spectrophotometry; Cobalt; Derivative spectroscopy; Nitropyridylhydrazones 244(1991)223

Ion exchange; Copper; Humic acids; Peat, Functional groups, Sulphopropyl-Sephadex C-25 cation exchanger 244(1991)281

Complexation equilibria

Equilibria; Predominance-zone diagrams; Multiconditional constants 246(1991)435

Complexation in natural waters

Titrimetry; Voltammetry; Computer simulation of errors; Waters; Stripping 212(1988)1

Component number

Gas chromatography; Camomile extract; Capillary, Statistical estimation 212(1988)165

Component reconstruction

Gas chromatography; Mass spectrometry; Alternating regression; Spectral primary space 250(1991)169

Composites

I.r. spectrometry; Dielectric constant; Bismuth; Two-phase, Topology 240(1990)173

Computer

Laboratory information management system 223(1989)205

Algorithm; Extraction; Silver nitrate 228(1990)229

N.m.r. spectrometry; Chemical shift 229(1990)17

Voltammetry; Kinetics; Cadmium-EDTA 248(1991)77

Computer prediction

N.m.r. spectrometry; Acyclic hydrocarbons; ¹³C chemical shifts, Microcomputer program, Beierbeck-Saunders approach 233(1990)315

Computer program

Spectrophotometry; Colour changes of indicators 204(1988)311

Structure determination; X-ray absorption fine-structure; Atomic local structure 210(1988)143

Hydrogenation of acetylene; Molecular orbital, Tetrahydroborate; Geometry optimization 210(1988)219

Potentiometry; Titrimetry; Thermom. analysis 222(1989)385

Spectrophotometry; LESSDAD, Least squares 234(1990)381

Spectrophotometry; Copper; Alkanohydroxamic acids; LESS-DAD, Least squares 234(1990)387

Mass spectrometry; Structure determination; Protein; Peptides; Antibiotics; MASSPEC, Graphics-based data system 237(1990)459

N.m.r. spectrometry; Line shapes 239(1990)157

Modelling; XYZ program, Graphic display 239(1990)311

Calibration; Polynomial curve-fitting; STATCAL-CALIBRA 241(1990)1

N.m.r. spectrometry; Spectral assignment 242(1991)37

N.m.r. spectrometry; Chemical shift 242(1991)43

Computer simulation

N.m.r. spectrometry; Contrast agents; Plasma; NMR imaging, Diethylenetriaminepentaacetic acid complexes, Equilibria 233(1990)85

Voltammetry; Waters; Copper; Speciation; Conditional stability constant, Cathodic stripping, Sea water, Estuarine water, Freshwater, Complexation 235(1990)287

Flow system; Spectrophotometry; Error analysis; Signal processing; Iron(II)-o-phenanthroline, Azo dye 235(1990)337

At. abs. spectrometry; Liquid chrom.; Optical activity; Jones and Mueller calculus, Scientific block diagram program 246 (1991)9

Computer simulation of errors

Titrimetry; Voltammetry; Complexation in natural waters; Waters; Stripping 212(1988)1

Computer technology

Simulation, Optimization, Control 210(1988)109

Computer-aided

N.m.r. spectrometry; Carbon-13 nuclear magnetic resonance; Terpenoid identification; Natural products 236(1990)501

Computer-aided molecular design

New system 217(1989)61

Computer-aided process design

Review 210(1988)97

Computer-aided recognition structures

N.m.r. spectrometry; Chemical shift, Charge density, Carbon-13 209(1988)29

Computer-assisted interpretation of spectra

I.r. spectrometry; Knowledge-based system; Descriptive, Interactive 217(1989)203

I.r. spectrometry; Review; Automated spectral interpretation; Structure determination; Knowledge-based system; Library search, Pattern recognition 240(1990)3

Computer-assisted problem solving

Organic synthesis design; Combinatorial flood, Formal restraint methods 235(1990)155

Computer-assisted search for pesticides

Hidden classes, Activities 210(1988)135

Computer-assisted solution of problems

Chemical structures, Reactions, Bilateral approach 210(1988) 123

Computer-assisted spectral simulation

N.m.r. spectrometry; Isoquinolines; Quinolines; Models, Library searches, Multiple linear regression 248(1991)183

Computer-assisted structure elucidation

N.m.r. spectrometry; Correlations, Carbon-13 210(1988)163

Computer-based structure characterization

N.m.r. spectrometry 216(1989)57

Computer-calculated extraction curves

Extraction; Ion pairs; Extraction constants, Dissociation constants 248(1991)473

Extraction; Ion pairs; Extraction constants, Dissociation constants 248(1991)483

Computer-controlled apparatus

Flow system; Kinetic analysis; Liquid chrom.; Enzyme reactions; Protein; Stopped-flow 220(1989)13

Computer-controlled rapid-scanning echelle monochromator

Emission spectrometry; Plasmas; Sediments; Soils; Trace elements; Inductively-coupled 207(1988)269

Computer-stored spectra

N.m.r. spectrometry; One-bit quantization 209(1988)271

Computerised array

Conductometry; Acetic acid; Acetone; Ethanol; Semiconductor gas sensors 219(1989)213

Computerised data acquisition

Flow system; Potentiometry; Multi-ion sensor cell 214(1988)

Computerised data acquisition and processing

Fluorimetry; Shpol'skii technique; Polynuclear aromatic hydrocarbons 233(1990)207

Computerised establishment of multivariate functions

Multivariate functions; QQN series software 234(1990)493

Computerised instrument

Potentiometry; Fluoride selective electrode; Waters; Batterypowered, Field-based, Metal-oxide semiconductor 208(1988) 195

Computerised peak resolution

Liquid chrom.; Time-domain differentiation; Propyl gallate; Butylhydroquinone; Antioxidants; Foods 234(1990)263

Computerised system

Voltammetry; Potentiometry; Nickel; Chronopotentiometric experiments 219(1989)105

Concentration cell

Potentiometry; Copper; Copper selenide membrane 203 (1987)79

Potentiometry; Fluoride; Standard addition 225(1989)97

Concentration profile measurements

Gas chromatography; Distillation column control; Process analysis; Parameter estimation, Water-methanol-isopropanol 238(1990)139

Condensed-phase

I.r. spectrometry; Knowledge-based system 227(1989)343

I.r. spectrometry; Knowledge-based system 227(1989)359

Conducting organic salt

Amperometry; Flow system; Glucose; Sensor; Wall-jet cell 229(1990)83

Conductivity

Ion exchange; Chromatography; Inorganic anions; Waters; Cu(II)-containing poly(3-methylthiophene) electrode, Single column 237(1990)317

Configurations

N.m.r. spectrometry; Pheromones; Dienes; Fuzzy classification; ¹³C chemical shifts 233(1990)223

Conformational analysis

Polymeric materials; Structure/activity relations 235(1990)229

Contamination

Isotope dilut. analysis; Nitrogen; Soil; Extraction, Distillation, Drying 245(1991)49

Continuous addition of reagent technique

Spectrophotometry; Differential reaction-rate methods; Copper; Iron; Serum; Pyridoxal thiosemicarbazone, Complex formation 239(1990)221

Continuum resonance Raman scattering

Raman spectrometry; Diatomic molecules; Halogens; Unimolecular dissociation 240(1990)119

Continuum-source

At. abs. spectrometry; Inductively coupled plasma, Photodiode array 227(1989)331

Contrast agents

N.m.r. spectrometry; Computer simulation; Plasma; NMR imaging, Diethylenetriaminepentaacetic acid complexes, Equilibria 233(1990)85

Control chart

Potentiometry; Gas-sensor; Semiconductor 225(1989)89

Controlled potential electrolysis

Diffl. pulse polarography; D.c. polarography; Voltammetry; Potentiometry; Aziridinylquinones; Quinones; Bisaziridinylbis(ethoxycarbonylamino)benzoquinone; Diaziquone, Bioreductive alkylating quinones 234(1990)285

Controlled-pore glass

Flow system; Spectrophotometry; Malate dehydrogenase 221 (1989)337

Coordination number

Mixed-ligand complexes; Metal complexes 238(1990)393

Copper

Flow system; Spectrophotometry; Microemulsions 201(1987) 345

Potentiometry; Bismuth; Mercury; Urine; Constant-current stripping, Gold fibre electrode 202(1987)117

Anod. stripping voltammetry; Zinc; Intermetallic compounds 202(1987)151

Electrotherm. atomization; At. abs. spectrometry; Coprecipitation/preconcentration; Manganese; Waters 202(1987)223

Potentiometry; Concentration cell; Copper selenide membrane 203(1987)79

Anod. stripping voltammetry; Cadmium; Cobalt; Lead; Nickel; Waters; Differential-pulse 204(1988)179

Extraction; Spline functions; Surface excess isotherm 206 (1988)215

Electrotherm. atomization; At. abs. spectrometry; Sea water; Zinc; Polymer-supported 1,4,8,11-tetraazacyclotetradecane 209(1988)249

Electrotherm. atomization; At. abs. spectrometry; Bismuth metal; Extraction; Zinc; Thiocyanate 209(1988)281

At. abs. spectrometry; Electrotherm. atomization; Calcium carbonate scale; Carbonate rocks; Solid samples 209(1988)287

Electroluminescence; Cathodic 211(1988)105

Anod. stripping voltammetry; Fulvic acid equilibria; Labile metal fraction; Lead; Sampled-d.c. 211(1988)141

Ion exchange; At. abs. spectrometry; Cobalt; Manganese; Nickel; Tellurium metal 212(1988)191

Flow system; Spectrophotometry; Wave-guide capillary cell 212(1988)245

Spectrophotometry; Titrimetry; Antipyrinylazo and thiazolylazo compounds; Bismuth; Synthesis 212(1988)253

Spectrophotometry; Flow system; Ion exchange; Integrated reaction, Unsegmented 214(1988)217

Anod. stripping voltammetry; Cadmium; Internal standard; Lead; Waters; High-accuracy, Differential-pulse, Indium 215 (1988)21

Diffl. pulse voltammetry; Anaerobic adhesive; Iron; Glassy carbon electrode 217(1989)335

Electrotherm. atomization; At. abs. spectrometry; Environmental samples; Extraction; Lead 218(1989)173

Emission spectrometry; Barium; Superconductor; Yttrium; Inductively coupled plasma 221(1989)167

Anod. stripping voltammetry; Lead; Potentiometric stripping analysis 222(1989)263

Principal components; Spectrophotometry; Titrimetry; Ethanolamine; Salicylate 223(1989)257

Colloid; Iron; River water 227(1989)421

Flow system; Amperometry 228(1990)117

Spectrophotometry; Kinetic analysis; Hydroxybenzaldehyde azine 229(1990)107

Polarography; Boiler water; Dimethyl aminopropanol; Volatile amine 229(1990)149

Voltammetry; Phenanthroline; Mercury electrode 230(1990)83

At. abs. spectrometry; Cellulose sorbent; Preconcentration; Quinolinol 230(1990)163

Anod. stripping voltammetry; Diffl. pulse voltammetry; Ion exchange; Lead 231(1990)133

Potentiometry; Ion-selective electrodes; Iodide; Silver sulphide-based 231(1990)137

Voltammetry; Waters; Sea water; Complexation, Organic ligands, Speciation, Detection window 232(1990)149

Liquid chrom.; Waters; Sea water; Phytoplankton bloom; Plankton ecosystem; Metal-organic interactions 232(1990)161

Fulvic acids; Humic substances; Iron; Ultrafiltration; Metalhumate interactions 232(1990)171

Liquid chrom.; Catechin; Flavonoids; Electrochemical detection 232(1990)377

Chromatography; Spectrophotometry; Zinc; Cadmium; Preconcentration; Extraction; Reversed-phase partition, 2-(5-Bromo-2-pyridylazo)-5-dimethylaminophenol stationary phase 232(1990)393

Spectrophotometry; Alkanohydroxamic acids; Computer program; LESSDAD, Least squares 234(1990)387

Liquid chrom.; Amperometry; Spectrophotometry; Iron; Waters; Biological materials; Extraction; Cupferron derivatization 235(1990)279

Voltammetry; Waters; Speciation; Computer simulation; Conditional stability constant, Cathodic stripping, Sea water, Estuarine water, Freshwater, Complexation 235(1990)287

Chromatography; Chemiluminescence; Flow system; Cobalt; Iron; Ion chromatography, Cation-exchange column 236 (1990)287

At. abs. spectrometry; Waters; Environmental samples; Lead; Cadmium; Zinc; Evaporation; Preconcentration; Snow, Ice, Contamination 236(1990)391

Anod. stripping voltammetry; Haemodialysis water 236(1990) 449

Spectrophotometry; Tetrathio ethers, cyclic; Extraction; Liquid-liquid 237(1990)245

Anod. stripping voltammetry; Diffl. pulse voltammetry; Mercury electrodes; Polymer modified electrodes; Lead; Cadmium 238(1990)345

Polarography; Hair; Zinc; Lead; UV irradiation, Polarographic adsorptive complex waves 238(1990)367

Spectrophotometry; Continuous addition of reagent technique; Differential reaction-rate methods; Iron; Serum; Pyridoxal thiosemicarbazone, Complex formation 239(1990)221

D.c. polarography; Diffl. pulse polarography; Aminomethoxypropane; Dimethylaminoethanol; Waters; Boiler water; Amine complexes, Reduction 239(1990)291

Spectrophotometry; Preconcentration; Trace elements; Reductive matrix precipitation, Copper oxide, Copper thiocyanate 242(1991)99

At. abs. spectrometry; Flow system; Aluminium alloys; Electrolytic dissolution 243(1991)65

Ion exchange; Complexation; Humic acids; Peat, Functional groups, Sulphopropyl-Sephadex C-25 cation exchanger 244 (1991)281

Voltammetry; Ethylenediamine; Sea water; Rotating mercury film electrode 245(1991)177

Flow system; Extraction; Segmenter; Continuous flow, Dual channel 245(1991)251

Extraction; Liquid-liquid, Cyclic and acyclic thioethers 248 (1991)511

Ion exchange; Chromatography; Palladium; Base metals 248 (1991)535

Diffl. pulse voltammetry; Gold; Reactor moderator water; Silver; Mercury; Waters 249(1991)447

Activ. analysis; At. abs. spectrometry; Cadmium; Cobalt; Mercury; Preconcentration; Trace metals; Waters; Zinc; Poly(acrylamidoxime) resin 249(1991)533

Copper chelates

Spectrophotometry; Formation constants; Stereoselective adduct formation, α -Acylcamphorato chelates, Chiral Lewis bases 244(1991)289

Copper complexes

Spectrophotometry; Optical waveguide; Sensor; Sulphur dioxide 226(1989)153

Anod. stripping voltammetry; Fulvic acids; Humic acids; 1-(2-Pyridylazo)-2-naphthol, 8-Quinolinol 248(1991)95

Titrimetry; Algorithm; Factor analysis; Multi-equilibria systems 248(1991)447

Copper electrode

Potentiometry 234(1990)331

Copper interactions with ligands

Potentiometry; Titrimetry; Humic-like substance, Fulvic acids 212(1988)105

Copper isotope

Emission spectrometry; Neutron activation; Dietary copper; Hair; Direct-current argon plasma 225(1989)185

Copper oxide

Extended x-ray absorption fine structure spectrometry; Zinc oxide; Weighting factors 233(1990)229

Copper speciation

Ion exchange; At. abs. spectrometry; Waters 219(1989)1

Copper-base alloys

Spectrophotometry; Bismuth; Extraction 211(1988)305

Copper / flavonoid complexes

Spectrophotometry; Gel perm. chromatography; Vegetables 203(1987)23

Copper-mercury film electrode

Anod. stripping voltammetry; Lead 246(1991)309

Coprecipitation

Arsenic speciation; Dibenzyldithiocarbamate; Neutron activation 222(1989)159

X-ray fluores. spectrometry; E.s.r.; Manganese; Pore water 222(1989)169

Coprecipitation / preconcentration

Electrotherm. atomization; At. abs. spectrometry; Copper; Manganese; Waters 202(1987)223

Corn

Liquid chrom.; Gas chromatography; Mass spectrometry; Pesticides; Pyrimidinol 236(1990)173

Correlation chromatography

Gas chromatography; Headspace analysis; Ethylene-propylene copolymer; Peak resolution 239(1990)317

Corrins

Spectrophotometry; Cyanide; Fibre-optic chemical sensors; Metalloporphyrins 241(1990)119

Corticosterone

Flow system; Chemiluminescence; Steroids; Cortisone; Hydrocortisone; Progesterone; Testosterone; Sulphite oxidation, Potassium bromate 239(1990)195

Cortisone

Flow system; Chemiluminescence; Steroids; Corticosterone; Hydrocortisone; Progesterone; Testosterone; Sulphite oxidation, Potassium bromate 239(1990)195

Cosmetics

Liquid chrom.; Climbazol; Shampoo; Preservative 235(1990) 465

Coumarins

Fluorimetry; Optical-fibre sensor; Near-infrared semiconductor laser; Second-harmonic emission 209(1988)327

Voltammetry; Micellar and emulsified media 216(1989)231

Coumarinsulphonyl chloride

Fluorimetry; Phosphorimetry; Synthesis 227(1989)145

T.l.c.; Fluorimetry; Phosphorimetry; Amino acid; Ion-pair 227(1989)155

Crab antennular receptrodes

Potentiometry; Biosensors; Chemoreceptors; Trimethylamine oxide; Hawaiian crabs 243(1991)157

Creatine

Flow system; Spectrophotometry; Animal tissues 208(1988)307

Creatine kinase

Chemiluminescence; Flow system; Blood; Bioluminescence 227(1989)29

Creatinine

Flow system; Reflectance spectrometry; Serum; Gas diffusion 214(1988)147

Potentiometry; Biosensor; Urea; Enzyme field-effect transistor, Ion-selective electrode 221(1989)157

Conductometry; Biosensor; Enzyme reactor; Urea; Asparaginase; Miniature, Multi-analyte, Electrode double layer capacitance 231(1990)33

Fluorimetry; Flow system; Nitrogen compounds; Ammonia; Enzyme reactor; Serum, Amino acids 245(1991)89

Creso

Voltammetry; Chloroform; Enzyme electrode; Waters 213 (1988)113

Critical micelle concentrations

Flow system; Conductometry; Spectrophotometry; Surfactants; Ionic, Nonionic 209(1988)111

Crossflow hydrodynamics

Field-flow fractionation; Retention ratio; Reynolds number, Analyte transport 246(1991)161

Crown complex

Alkaline earth metal ion; Extraction 224(1989)47

Crown ether complexes

Polarography; Conductometry; Stability constants; Divalent cations 201(1987)117

Crown ether dyes

Spectrophotometry; Alkaline earth ions; Extraction; Synthesis 204(1988)113

Crown ethers

Spectrophotometry; Thallium 222(1989)215

Flow system; Spectrophotometry; Extraction; Lead; Preconcentration 230(1990)157

Flow system; Spectrophotometry; Rhenium; Extraction; Potassium perrhenate, Brilliant Green 232(1990)287

Lithium; Ion extraction; Monoazacrown ethers 245(1991)235

Crude oil

Principal components; Paraffin inhibitor; Oil additive 229 (1990)267

Cryptahemispheraplexes

Spectrophotometry; Potassium; Chromogenic, Cryptand, Spherand 241(1990)127

Crystal growth

Potentiometry; Calcium carbonate; Phosphate; Urine 229 (1990)249

Crystallization monitoring

Image analysis; Geometry-based algorithm 238(1990)243

Curing reactions

Raman spectrometry 240(1991)339

Cyanide

Flow system; Spectrophotometry; Microporous membrane; Thiocyanate 214(1988)259

Flow system; Potentiometry; Heterogeneous membrane electrodes; Gas diffusion 215(1988)283

Spectrophotometry; Flow system; Thiocyanate 220(1989)65

Fluorimetry; Blood; Urine; Taurine, Naphthalenedialdehyde 225(1989)351

Flow system; Potentiometry; Silver-wire electrode; Gas-diffusion separation; Membrane barrier, Selectivity 233(1990)77

Emission spectrometry; Molecular emission cavity analysis; Sulphite-formaldehyde addition compound 233(1990)307

Ion-selective electrodes; Standard potential, Silver iodide, Silver sulphide 233(1990)329

Spectrophotometry; Process analysis; Membrane separation; Ores; Metallurgical samples; PTFE membrane, HCN diffusion 238(1990)117

Spectrophotometry; Fibre-optic chemical sensors; Metalloporphyrins; Corrins 241(1990)119

Ion-selective electrodes; Silver chalcogenide membranes; Electroplated membranes 242(1991)73

Voltammetry; Gold microband electrode 248(1991)173

Chromatography; Ion exchange; Ion-interaction chromatography; Metallo-cyanides; Preconcentration 250(1991)21

Cyanoisoindole

Fluorimetry; Liquid chrom.; Steroidal primary alcohols 228 (1990)307

Cyclic nucleotides

Mass spectrometry; Enzymes 247(1991)161

Mass spectrometry; Fast atom bombardment mass spectrometry 247(1991)177

β-Cyclodextrin

Raman spectrometry 240(1990)225

Cyclodextrin complexes

Liquid chrom.; Polynuclear aromatic hydrocarbons; Formation constants; Solubility; Non-inclusional assocation, Temperature dependence 232(1990)239

Cyclodextrin enhancement

Phosphorimetry; Organic compounds; Room-temperature 217(1989)171

Cyclodextrins

Fluorimetry; Retinal complex; Room temperature 227(1989) 297

Fluorimetry; Liquid chrom.; Phthalaldehyde; Fluorescamine; Triton; Pharmaceuticals 234(1990)187

Gas chromatography; Enantiomers; Chiral stationary phase 234(1990)365

Fluorimetry; Fibre-optic sensor; Immobilized, Inclusion complex, Anilinonaphthalene sulphonates 237(1990)485

Cyclohexanone

Gas chromatography; Fluorimetry; Nitrobenzene; Naphthalene vapour, Indirect fluorescence detection, Quenching constants 233(1990)303

Cylindrical cavity-type phase separator

Flow system; Extraction 220(1989)275

Cylindrical flow cells

Flow system; Optical fibres; Cell design theory, Algorithm, Capillary column 234(1990)259

Cytidine

I.r. spectrometry; Nucleosides; Deoxycytidine; Fourier transform, Phosphate salts, Aqueous solutions 240(1991)277

Cytochrome

Chemiluminescence; Luminol; Microsomal protein; Isoenzyme 227(1989)49

Cytotoxicity

Liquid chrom.; Fish; Waters; Organic pollutants; In vitro 234(1990)193

D

Dacarbazine

Voltammetry; H.p.l.c.; Serum 202(1987)141

Dairy fermentation

Flow system; Lactic acid; Fibre-optic sensor; Biosensor; Kefir culture; Immobilized lactate oxidase 234(1990)107

Dansylaminophenylboronate

Liquid chrom.; Fluorimetry; Brassinosteroid 228(1990)101

Dansylproline chiral derivatization

Liquid chrom.; Amine enantiomers; Reversed-phase, Diethyl phosphorocyanidate 243(1991)251

Data acquisition schedules

Spectrophotometry; First-order decay of an absorbing species; Optimization 204(1988)295

Optimization, Burst, Clustered-point 211(1988)31

Data bank

Principal components; Pattern recognition; Food chemistry 223(1989)223

Data base

Mass spectrometry 228(1990)177

Food flavours; Identification, Production control 235(1990)215

Data base searching

Chemical substructures; Parallel hardware, Protein data bank 235(1990)77

Chemical structures; Beilstein, Comparison of systems 235 (1990)87

Data smoothing

Savitzky-Golay filter; Weighting functions 249(1991)331

Data transformation

Latent-variable model; Model building; Marker approach 223 (1989)53

Deferred standard

Gas chromatography; Liquid chrom.; Process analysis 238 (1990)17

Deferred standard technique

Gas chromatography; Process analysis 238(1990)129

Dehydrochlorination

Raman spectrometry; Poly(vinyl chloride); Polyene sequence length; Resonance, Nickel(II) maleate 240(1990)97

Denatured protein

Immunoassay; Antibodies to peptides; Short synthetic, Specific recognition 213(1988)187

Densitometry

Fluorimetry; Photomicrography; Tissue 227(1989)235

Dental alloys

Flow system; Spectrophotometry; Catalysts; Palladium 214 (1988)271

Denuder tube

Adsorption; Nitrobenzene; Trichloroethane; Platinum/lead collection surface 226(1989)145

Deoxycytidine

I.r. spectrometry; Nucleosides; Cytidine; Fourier transform, Phosphate salts, Aqueous solutions 240(1991)277

Depth profiling

I.r. spectrometry; Attenuated total reflection; Poly(ethylene terephthalate) 240(1991)353

Derivative spectroscopy

Spectrophotometry; Ampicillin; Cloxacillin; Pharmaceuticals 209(1988)175

Spectrophotometry; Sulphonamide; Pharmaceuticals; Bratton-Marshall reaction, Urine, Honey 233(1990)289

Flow system; Liquid chrom.; Phloroglucinols; Photodiodearray detection, Post-column continous-flow analysis, Computer-aided, Kosins 234(1989)89

Spectrophotometry; Dissociation constants; Phenothiazines; Sparingly soluble 242(1991)131

Spectrophotometry; Cobalt; Complexation; Nitropyridylhydrazones 244(1991)223

Spectrophotometry; Pharmaceuticals; Vitamins; Third-derivative 248(1991)583

Dermatological preparation

Liquid chrom.; Spectrophotometry; Tolnaftate; Undecenoic acid 229(1990)255

Detection limit

Flow system; Spectrophotometry; Chloride 214(1988)447

Detectors

Flow system; Liquid chrom.; At. abs. spectrometry; Review 234(1989)3

Flow system; Spectrophotometry; Potentiometry; Voltammetry; Ion-sensitive field effect transistor; Impulse-response functions 239(1990)245

Deuterium labelling

Mass spectrometry; Metabolic studies 247(1991)277

Dextromethorphan hydrobromide

Spectrophotometry; Pharmaceutical preparation; Phenyl-propanolamine hydrochloride; Second-derivative 226(1989)159

Di-isopropyl fluorophosphate electrode

Potentiometry; Squid nerve tissue, Fluoride electrode 209 (1988)351

Diacetylpyridine bis(N-methylenepyridiniohydrazone)

Liquid chrom.; Metal chelate; Rare earth complex 229(1990) 101

Dialkyldithiocarbamate

Liquid chrom.; Chemically modified silica; Enrichment 225 (1989)303

Dialyser

Spectrophotometry; Flow system; Ethanol; Blood; Enzyme reactor; Immobilized, Alcohol dehydrogenase 231(1990)115

Dialysis

Flow system; Laminar flow model 224(1989)13

Dialysis fluids

Phosphorimetry; Aluminium; Waters; Room-temperature, Ferron chelate in micellar media 212(1988)235

Diaminophthalhydrazide

Chemiluminescence; Liquid chrom.; Keto acids; Hydrogen peroxide 231(1990)1

Diaminopurinol

Cyclic voltammetry; Diffl. pulse voltammetry; Graphite electrodes; Carbonyl sites 243(1991)33

Diatomic molecules

Raman spectrometry; Continuum resonance Raman scattering; Halogens; Unimolecular dissociation 240(1990)119

Dibenzyldithiocarbamate

Arsenic speciation; Coprecipitation; Neutron activation 222 (1989)159

Diborane

Spectrophotometry; Borate; Hydride generation; Boric acid 246(1991)413

Dicarbonyl compounds

Fluorimetry; 1,2-Diamino-4,5-methylenedioxybenzene reagent 215(1988)267

Dichloroanthracene

Spectrophotometry; Time-resolved absorption spectra; Electrolysis; Xenon pulse-flash lamp, Millisecond reactions 245 (1991)199

Dichlorofluorescein

Fluorimetry; Fluorescein; Variable-angle spectrometer, Simultaneous determination 233(1990)159

Dichlorophenolindophenol

Kinetic analysis; Dithionites 224(1989)199

Dichroism

I.r. spectrometry; Polarization; Fourier transform, Linear and circular dichroic spectra 240(1990)145

Dichromate

Flow system; Spectrophotometry; Extraction; Tetramethylenebis(triphenylphosphonium) cation 225(1989)241

Dicyclohexyl-18-crown-6

Spectrophotometry; Zirconium; Hafnium; Extraction; Crown ether 245(1991)27

Dielectric constant

I.r. spectrometry; Composites; Bismuth; Two-phase, Topology 240(1990)173

Dielectric function

I.r. spectrometry; Polystyrene; Silica; Simulated spectra 240 (1990)187

Dienes

N.m.r. spectrometry; Pheromones; Configurations; Fuzzy classification; ¹³C chemical shifts 233(1990)223

Diesel fuel

I.r. spectrometry; Fuel quality; Fibre optics; Multivariate calibration; Process analysis; Gasoline; Octane number, Cetane number 238(1990)95

Diesel particulate

Gas chromatography; Mass spectrometry; Air; Polynuclear aromatic hydrocarbon; Nitrated polynuclear aromatic hydrocarbon 221(1989)53

Dietary copper

Emission spectrometry; Neutron activation; Copper isotope; Hair; Direct-current argon plasma 225(1989)185

Diethanolamine

Mass spectrometry; Ionization processes; Hydrochloric acid; Fast atom bombardment, Aggregate ions 241(1990)227

Diethyl ether

Opto-acoustic spectroscopy; Overtone spectroscopy; Pyroelectric detector, Laser power 240(1991)377

Diethylaniline

Fluorimetry; Exciplex; Indole; Liposome; Pyrene 227(1989)267

Diethylbarbiturate

Flow system; Potentiometry; Tubular electrode; Pharmaceuticals 234(1990)221

Differential double-layer capacitance

H.p.l.c.; Amperometry; Anion monitoring; Electrosorptive, Mercury electrodes 204(1988)95

Differential reaction-rate methods

Spectrophotometry; Continuous addition of reagent technique; Copper; Iron; Serum; Pyridoxal thiosemicarbazone, Complex formation 239(1990)221

Diffuse reflectance

I.r. spectrometry; Inorganic powders; Silica; Silicon carbide; Blocker device, Simulation technique 240(1990)229

I.r. spectrometry; Glass-covered samples; Hydrogen spillover; Zeolite; Fourier transform, Water formation 240(1991)363

Spectrophotometry; Chlorine; Optical fibre sensor; o-Toluidine, Nylon strip, Dry reagent 244(1991)71

Diffusion coefficient

Electroanalytical measurements; Concentration, Number of electrons 211(1988)325

Amperometry; Flow system 246(1991)341

Digital filters

Ion mobility spectrometry; Vapour monitors; Bis-2-chloroethyl sulphide; Narrow-bandpass 232(1990)261

Digital simulation

Voltammetry; Probability theory; Theoretical analysis of response 201(1987)295

Cyclic voltammetry; Non-first-order electrode reactions, Finite-difference, Linear-sweep 211(1988)75

Expert system; Laboratory management 222(1989)1

Expert system; Quality control 222(1989)19

Chronopotentiometry; Chronoamperometry; Saul'yev methods, Boundary conditions 239(1990)87

Digoxin

H.p.l.c.; Immunoassay; Voltammetry; Aminophenyl phosphate substrate 214(1988)187

Dihydrodimethoxymethyloxoquinoxalinecarbonyl chloride

Liquid chrom.; Fluorimetry; Amine 223(1989)319

Dilution module

Flow system; Single-stage, Dual-stage 207(1988)225

Dimethyl aminopropanol

Polarography; Boiler water; Copper; Volatile amine 229 (1990)149

Dimethyl glyoxime

Liquid chrom.; Acenaphthenequinone dioxime; Naphthalene; Palladium; Preconcentration 230(1990)17

Dimethyl sulphoxide

Amperometry; DMSO; Electrocatalysis; Lead dioxide; Bismuth-doped lead dioxide thin films 248(1991)85

Dimethyladenosine

Gas chromatography; Mass spectrometry; Urine 247(1991)201

Dimethylaminoethanol

D.c. polarography; Diffl. pulse polarography; Copper; Aminomethoxypropane; Waters; Boiler water; Amine complexes, Reduction 239(1990)291

Dimethylbut-1-yne

Raman spectrometry; I.r. spectrometry; Methylbut-1-yne 240 (1991)317

Dimethyldiphenylbenzidine

Raman spectrometry; Spectrophotometry; Flow system; Electrolysis; Electrooxidation; Homogeneous solution, Time-resolved 240(1991)329

Dimethylethyleneurea

I.r. spectrometry; Raman spectrometry; Dimethylimidazolidinone; Deuterated 240(1991)395

Dimethylformamide

Autoprotolysis constants; Carboxylic acid; Solvent effect 228 (1990)301

Polarography; Complexation; Tin; Acetonitrile; Free energy of transfer, Stability constants 242(1991)295

Dimethylimidazolidinone

I.r. spectrometry; Raman spectrometry; Dimethylethyleneurea; Deuterated 240(1991)395

4,4-Dimethyl-2-pentyne

I.r. spectrometry; Raman spectrometry 240(1991)389

Dimethylxanthine

Chemiluminescence; Europium(III); Energy transfer 237 (1990)273

Dinitrocatechol

Spectrophotometry; Flotation separation; Niobium; Oxalate; Rhodamine B 226(1989)281

Dinitrophenolate electrode

Potentiometry; Honey; Reducing sugars 218(1989)37

Dinitrotoluene

Fluorimetry; Waters; Nitro compounds; Explosives; Trinitrotoluene; Hexahydrotrinitrotriazine; In situ optical detection, Fluorescence quenching 237(1990)265

Dinoflagellate toxin

Gas chromatography; Principal components; Mussel 222 (1989)35

Diode-array detection

Flow system; Nickel; Zinc; Pyridylazonaphthol 241(1990)153

Diode-array UV-visible spectrophotometer

Spectrophotometry; Precision 234(1990)395

Diphacinone

Fluorimetry; Europium; Yttrium; Rare earth oxides; Fluorescence enhancement, Ammonia 231(1990)295

Diphenylcarbazone

Voltammetry; Mercury; Modified electrode 228(1990)259

Diphenylhexatriene

Fluorimetry; Alkyl lysophospholipid 227(1989)303

Diquat

Titrimetry; Potentiometry; Ion-pair; Paraquat; Bisquaternary cation 226(1989)177

Flow system; Fluorimetry; Herbicides 244(1991)99

Direct current

At. emission spectrom.; Boron; Plasmas; Silica; Acid decomposition, Mannitol 245(1991)207

Direct reflection ellipsometry

Lipid monolayers 202(1987)215

Disaccharides

H.p.l.c.; Voltammetry; Foods; Monosaccharides; Physiological fluids; Electrocatalytic chemically modified electrode 206 (1988)85

Discriminant analysis techniques

I.r. spectrometry; Atmospheric pollutants; Interferograms 246(1991)85

Discriminants

Pattern recognition; Training sets 249(1991)305

Disjoint classification program

Pattern recognition 209(1988)265

Dispersion

Flow system; Spectrophotometry 214(1988)97

Flow system; Volumetric fraction 226(1989)129

Dispersion behaviour

Flow system; Spectrophotometry; Impulse/response functions; Fourier algorithm 214(1988)77

Dispersion characteristics

Flow system; Single-line, Without chemical reaction 208 (1988)117

Dispersion parameters

Flow system; Spectrophotometry; Prediction 220(1989)43

Disposable analytical devices

Immunoassay; Clinical test devices; Printed liquidic circuits; Switch devices 249(1991)263

Dissociation constants

Ion exchange; Citric acid; Ternary system 222(1989)189

Polarography; Potentiometry; Bromopyridinium ion 224 (1989)109

Spectrophotometry; Derivative spectroscopy; Phenothiazines; Sparingly soluble 242(1991)131

Potentiometry; Brønsted acids; Polyaza macrocycles; Polyoxa-polyaza macrocycles; Water, Deuterium oxide 245 (1991)271

Spectrophotometry; Acid-base equilibria; Azo dyes; Aqueous dimethylformamide 246(1991)429

Dissolution

Emission spectrometry; Biological material; Environmental material; Microwave; Inductively coupled plasma 225(1989)159

Distillation column control

Gas chromatography; Concentration profile measurements; Process analysis; Parameter estimation, Water-methanol-iso-propanol 238(1990)139

Distribution coefficients

Ion exchange; Metal complexes; Ammonium nitrate; Ammines, Aquo complexes, Cation-exchange 233(1990)129

Distribution plots

Simplex search; Maximal or minimal concentrations 206 (1988)189

Disulphane

I.r. spectrometry; Internal rotation; Rotational and torsional spectra, Millimetre and submillimetre, Isotopes 240(1991)263

Disulphides

H.p.l.c.; Fluorimetry; Rat tissues; Thiols; Pre-column derivatization 205(1988)29

Disulphur

Emission spectrom.; Sulphate; Disulphur molecular emission 243(1991)227

Dithionites

Kinetic analysis; Dichlorophenolindophenol 224(1989)199

DMSO

Amperometry; Dimethyl sulphoxide; Electrocatalysis; Lead dioxide; Bismuth-doped lead dioxide thin films 248(1991)85

DNA

Fluorimetry; Quinolizinium salts 205(1988)105

Chemiluminescence; Flow system; Enzyme reactor; Biotinylated glucose oxidase-labelled DNA probes, Hydrogen peroxide 249(1991)155

DNA hybridization kinetics

Fluorimetry; Kinetic analysis; Fluorescence polarization; Labelled oligonucleotides, Mismatches 244(1991)207

DNA probes

Bovine brain tissue; Gangliosides; Pharmaceuticals; Quality control; Dot-blot hybridization 249(1991)291

Dodecylquinolinium bromide

Amperometry; Titrimetry; Polarography; Colloidal electrolytes; Potassium dichromate, Potassium hexacyanoferrate-(III), Ammonium molybdate 236(1990)325

Dopamine

Amperometry; Flow system; Bioelectrodes from plant tissue; Dual electrode 218(1989)281

Amperometry; Flow system; Enzyme electrode; Norepinephrine; Plant tissue-based electrode, Zucchini-based electrode, Ascorbic acid interference elimination 234(1990)315

Double-reciprocal plot

Image analysis; Drug; Enzyme-multiplied 223(1989)293

Dowex

Ion exchange; Polyurethane foam; Retention behaviour; Hydrochloric acid-potassium thiocyanate 229(1990)127

Doxorubicin

H.p.l.c.; Plasma; Reversed-phase ion-pair 217(1989)149

Droplet countercurrent chromatography

Liquid chrom.; Centrifugal partition chromatography; Natural products 236(1990)63

Dropping mercury electrode

Polarography; Cobalt-ammonia complexes; Reduction mechanism; Stability constants 231(1990)143

Drug

Image analysis; Double-reciprocal plot; Enzyme-multiplied 223(1989)293

Drug-macromolecule binding parameters

Spectrophotometry; Binding parameters; Numerical analysis; Scatchard plot, Phenylbutazone, Oxyphenbutazone 244(1991) 145

Dry ashing

Organic matrices; Plasma; Nitrogen; Microwave, Low-pressure oxygen atmosphere 233(1990)321

Dual-cell geometry

Mass spectrometry; Fourier transform; Ion cyclotron resonance 225(1989)11

Dye adsorption

Gas chromatography; Methyl red; Sterchamol; Retention mechanism 232(1990)413

Dye fibre-optic pH sensor

Waters; Sea water; pH; Phenol red, Amberlite resin 232 (1990)337

Dyes

Raman spectrometry; Silver colloid; Surfactant; Surface-enhanced 225(1989)227

Spectrophotometry; Flow system; Surfactants; Quaternary ammonium, Sodium dodecyl sulphate 246(1991)333

Dysprosium

Fluorimetry; Enhancement by alkaline earth metal ions 212 (1988)285

Fluorimetry; EDTA/Tiron/surfactant 215(1988)331

E

Ecdysteroids

Liquid chrom.; Solid-phase extraction; Sample preparation; Insects; Hormones, Sep-Pak cartridge, Phenylboronic acid 236(1990)145

Edible oil

Optimization Statistics 223(1989)237

Education

Process analysis; Teaching 238(1990)63

Eggplant

Amperometry; Enzyme electrode; Biosensor; Catechol; Biamperometric, Carbon paste electrode, Polyphenol oxidases 237(1990)107

Eggs

Gas chromatography; Mass spectrometry; Chloramphenicol;

Urine; Biological materials; Residues, Radioimmunoassay, Enzyme immunoassay 237(1990)61

Eigenvector

Pattern recognition; Compatibility; Triterpane; Oil 223(1989)

Elastase

Conductimetry/oscillometry; Biological samples; Enzyme activity; *Pseudomonas aeruginosa*; Tetraalanine substrate, Insoluble elastin substrate 247(1991)79

Electroanalytical measurements

Diffusion coefficient; Concentration, Number of electrons 211(1988)325

Electrocatalysis

Flow system; Amperometry; Redox gas; Chemically modified electrode 224(1989)305

Amperometry; Dimethyl sulphoxide; DMSO; Lead dioxide; Bismuth-doped lead dioxide thin films 248(1991)85

Electrochemical activation

Liquid chrom.; Thiopurine; Enzymatic activation; Oxidation; Micellar, Horseradish peroxidase 237(1990)305

Electrochemical biosensors

Amperometry; Flow system; Milk components; Metabolites 213(1988)101

Electrochemical cell

Anod. stripping voltammetry; Voltammetry; Lead; Cadmium; Epinephrine; Cylindrical graphite fibre microelectrode, Square-wave 237(1990)127

Electrochemical concentration

Chromatography; Injection device; Correlation chromatography 228(1990)209

Electrochemical detection

Flow system; Amperometry; Chemically modified electrodes 234(1989)41

Electrochemical mechanism elucidation

Raman spectrometry; Voltammetry; Real-time surface-enhanced, Linear-sweep 212(1988)201

Electrochemical mechanisms

Polarography; Knowledge-based system; Sampled d.c., Tast, Automatic 231(1990)59

Electrochemical oxidation

Cyclic voltammetry; Glassy carbon electrodes; Redox species 243(1991)43

Electrochemical pretreatment

Voltammetry; Alkaline earth metal ion; Alkali metal ion; Glassy carbon fibre 222(1989)127

Electrode kinetics

Cyclic voltammetry; Ferrocene; Micro-electrode 225(1989)83

Electrode reaction mechanisms

Voltammetry; Coulometry; Expert system 248(1991)429

Electroluminescence

Fluorimetry; Trace organic fluorescent compounds; Oxide-covered aluminium electrode 207(1988)195

Fluorimetry; Hydrogen peroxide; Cathodic, Terbium(III)-doped oxide-covered tantalum electrode 208(1988)69

Fluorimetry; Europium; Cathodic, Oxide-coated aluminium electrode 209(1988)165

Copper; Cathodic 211(1988)105

Electroluminescent compounds

Flow system; Chemiluminescence; Polynuclear aromatic hydrocarbons; Micelle-encapsulated, 9,10-Diphenylanthracene, Oxide-covered aluminium electrode 233(1990)199

Electrolysis

Raman spectrometry; Spectrophotometry; Flow system; Dimethyldiphenylbenzidine; Electrooxidation; Homogeneous solution, Time-resolved 240(1991)329

Spectrophotometry; Time-resolved absorption spectra; Dichloroanthracene; Xenon pulse-flash lamp, Millisecond reactions 245(1991)199

Electrolyte disorder

Acid/base disorder; Expert system 223(1989)269

Electrolytic dissolution

Flow system; Spectrophotometry; Molybdenum; Steels 214 (1988)397

At. abs. spectrometry; Flow system; Copper; Aluminium alloys 243(1991)65

Electromagnetic entrapment of biocatalyst

Voltammetry; Enzyme electrode; Glucose; Magnetic beads 213(1988)121

Electron mediator

Amperometry; Fermentation; Glucose; Enzyme electrode 222(1989)75

Electron transfer

Kinetic analysis; Amperometry; Biosensors; Quinoproteins; Methylamine dehydrogenase; Amicyanin, Cytochrome c 249 (1991)235

Electron-capture detection

Flow system; PTFE tape separator; PTFE tubing separator; Two-phase separation, Free chlorine 243(1991)131

Electrooxidation

Raman spectrometry; Spectrophotometry; Flow system; Dimethyldiphenylbenzidine; Electrolysis; Homogeneous solution, Time-resolved 240(1991)329

Electropneumatic

Syringe dispenser 221(1989)189

Electropolymerization

Amperometry; Cyclic voltammetry; Glassy carbon electrodes; Polymer-coated electrodes; Resole prepolymer mixtures; Continuous-flow sensing 249(1991)395

Elemental analysis

Mass spectrometry; Combustion; Nitrogen 226(1989)345

Mass spectrometry; Algorithms 248(1991)71

Mass spectrometry; Laser desorption; Plasmas; Inductively coupled, Time-of-flight 250(1991)61

Elements

Emission spectrometry; Body fluids; Discrete nebulization, Nitrous oxide/acetylene 207(1988)349

Emulsification

At. abs. spectrometry; Manganese; Organic solvents; Zinc; Triton X-100, Bis-2-ethylhexylphosphoric acid 246(1991)347

Enantiomer separation

Liquid chrom.; Amino acids; Glutamic acid; Chiral separation; Chiral stationary phase, Cyclodextrin, Phthalaldehyde derivatization 234(1990)127

Enantiomers

Gas chromatography; Cyclodextrins; Chiral stationary phase 234(1990)365

Enantiomers containing single aromatic rings

H.p.l.c.; β-Cyclodextrin-bonded phases 208(1988)275

Enantioselective optode

Spectrophotometry; Tartrate; 1-Phenylethylamine, Propranolol, Norephedrine 246(1991)251

Enantioselective solubilization

Chromatography; Amino acids; Mixed-ligand complexes, N-alkyl-L-proline derivatives 242(1991)291

Endoglucanase I

Mass spectrometry; Glycoproteins; Time-of-flight, UV laser desorption, Plasma desorption, *Trichoderma reesei* fungus 241(1990)321

Endotoxin

Piezoelectric sensing; Viscosity monitoring; Gelation of Limulus amebocyte lysate 215(1988)91

Enrichment

Liquid chrom.; Chemically modified silica; Dialkyldithiocarbamate 225(1989)303

Enteropathogenic bacteria

Electrophoresis; Restriction endonucleases 213(1988)273

Enterotoxin B

Immunoassay; Potentiometry; Biosensors; Capacitance; Semiconductors; Toxins; Antibody fixation, Grafted immunospecies 249(1991)367

Environmental analysis

Pattern recognition; Supervised learning; Class-in-class modelling 243(1991)311

Environmental materials

Activ. analysis; Trace elements; Instrumental neutron 219 (1989)317

Emission spectrometry; Biological material; Dissolution; Microwave; Inductively coupled plasma 225(1989)159

Environmental mixtures

I.r. spectrometry; Expert system; Interpretation program 210 (1988)51

Environmental pollutants

Chemiluminescence; Toxic compounds; Recombinant DNA; *Escherichia coli* bioluminescence, Sodium azide, Chloramphenicol 244(1991)201

Environmental samples

Electrotherm. atomization; At. abs. spectrometry; Copper; Extraction; Lead 218(1989)173

Ion exchange; Extraction; Technetium 228(1990)163

At. fluor. spectrometry; Plasma; Inductively coupled, Gasphase atomization 231(1990)85

At. abs. spectrometry; Waters; Lead; Cadmium; Copper; Zinc; Evaporation; Preconcentration; Snow, Ice, Contamination 236(1990)391

I.r. spectrometry; Gas chromatography; Pesticides; Polynuclear aromatic hydrocarbons; Fourier transform, Low temperature 240(1990)205

Enzymatic activation

Liquid chrom.; Thiopurine; Electrochemical activation; Oxidation; Micellar, Horseradish peroxidase 237(1990)305

Enzymatic assays

Flow system; Spectrophotometry; Review 216(1989)257

Chemiluminescence; Amino acid; Glucose; Luminol; Micelle 225(1989)147

Enzymatic hydrolysis

Flow system; Amperometry; Penicillin; Pharmaceuticals; Expert system; Validation program 233(1990)65

Enzymatic method

Ion exchange; Chromatography; Oxalate; Plasma; Chloride removal 237(1990)299

Enzyme activities

Fluorimetry; Plasma; Microlitre volumes 205(1988)97

Conductometry; Kinetic analysis; Blood 213(1988)267

Electrophoresis; Proteinase; Trypsin; Papain; Chromogenic substrates, *N*-Benzoyl-DL-arginine *p*-nitroanilide 238(1990)331

Conductimetry/oscillometry; Biological samples; Elastase; *Pseudomonas aeruginosa*; Tetraalanine substrate, Insoluble elastin substrate 247(1991)79

Enzyme amplification

Immunoassay; Immunoglobulin G; Human, Anti-human, Solid-phase, Enzyme cascade 232(1990)267

Spectrophotometry; Clostridiopeptidase A; Collagenase; Solid-supported, Single-enzyme, Multi-enzyme 232(1990)273

Enzyme analysis

Chemical oscillator; Peroxidase-oxidase, Period doubling 237 (1990)381

Enzyme bioluminescence reaction

Chemiluminescence; Formic acid; Waters; Sea water 231 (1990)299

Enzyme cartridge

Flow system; Amperometry; Cell cultivation; Glucose; Lactate 225(1989)253

Enzyme electrodes

Amperometry; Glucose 201(1987)281

Amperometry; Lactate; Mathematical treatment 201(1987)305

H.p.l.c.; Amperometry; Amino acids; Detectors 209(1988)259

Potentiometry; Biosensors; Review; Electronic, Opto-electronic 213(1988)23

Flow system; Amperometry; Enzyme reactor; Lactate 213 (1988)91

Voltammetry; Chloroform; Cresol; Waters 213(1988)113

Voltammetry; Electromagnetic entrapment of biocatalyst; Glucose; Magnetic beads 213(1988)121

Flow system; Glutamate; Enzyme reactor; Glutamate oxidase, Immobilized, Hydrogen peroxide 231(1990)121

Amperometry; Lactate; Lactate dehydrogenase, Diaphorase, NADH, Hexacyanoferrate(II) 231(1990)309

Glucose; Polycarbonate membrane; Blood; Hydrogen peroxide, Isopropyl myristate 232(1990)357

Amperometry; Flow system; Dopamine; Norepinephrine; Plant tissue-based electrode, Zucchini-based electrode, Ascorbic acid interference elimination 234(1990)315

Flow system; Amperometry; Glucose; Blood; Mediator 234 (1990)321

Amperometry; Lactate; Tetrathiafulvalene mediator; Carbon foil, Lactate oxidase 234(1990)459

Cyclic voltammetry; Glucose; Poly(*N*-methylpyrrole) film, Immobilized, Glucose oxidase, Gold microelectrode, Electropolymerization 235(1990)255

Flow system; Fermentation; Biosensor; Modified graphite electrode, Glucose dehydrogenase, Glucose 235(1990)265

Amperometry; Glucose; Sucrose; Immobilized invertase, Beverages 236(1990)245

Polarography; Amplification; Glutamate; Alanine 236(1990) 437

Potentiometry; Acetylcholine; Coated-wire electrode; Biosensor; Immobilized, Hydrogen ion-selective electrode 236(1990) 441

Potentiometry; Allopurinol; Biosensor; Carbon paste electrode, Xanthine oxidase 237(1990)91

Amperometry; Hydroxybutyrate; Blood; Plasma; Biosensor; Platinized carbon electrode, NADH 237(1990)99

Amperometry; Biosensor; Catechol; Eggplant; Biamperometric, Carbon paste electrode, Polyphenol oxidases 237(1990)107

Potentiometry; Urea; Metal-metal oxide, Tungsten 237 (1990)399

Amperometry; Phosphate; Waters; Hydrogen peroxide, Eutrophication 239(1990)1

Potentiometry; Peptides; Coated-wire electrode, Trypsin, α -Chymotrypsin 239(1990)13

Amperometry; Biosensor; Hydrogen peroxide; Human erythrocytes, Catalase activity 239(1990)19

Amperometry; Glucose; Biosensor; Ugi reaction, Immobilization, Cyclohexyl cyanide, Glutaraldehyde 239(1990)263

Potentiometry; Tungsten electrode; Urea; Immobilized, Urease 239(1990)269

Flow system; Mathematical modelling; Single-line, Kinetics 241(1990)43

Flow system; Mathematical modelling; Single-line, Simulation 241(1990)55

Amperometry; Lactate; Pyruvate; Cholesterol; Uric acid; Oxidase-peroxidase bilayer-modified, Hydrogen peroxide 242 (1991)85

Amperometry; Flow system; Glucose; Foods; Soft drinks; Hydrogen peroxide, Membrane 242(1991)91

Amperometry; Hypoxanthine; Xanthine; Uric acid, Xanthine oxidase, Carbon paste 242(1991)267

Amperometry; Glucose; Glucose oxidase, Needle-type microsensor 242(1991)275

Amperometry; Amines; Plant growth regulators; Carbon paste-pea seedling sensor, Diamine oxidase, Hydrogen peroxide 243(1991)1

Amperometry; Glutamate; L-Glutamate oxidase, *Streptomyces platensis* 243(1991)9

Amperometry; Preconcentration; Biocatalytic accumulation; Glucose 243(1991)17

Amperometry; Lactate; Gamma irradiation; Poly(vinyl alcohol); Lactate oxidase, Platinized graphite, Hydrogen peroxide 243(1991)23

Potentiometry; Lactate; Flavocytochrome b_2 ; Reagentless, Electrocatalytic oxidation 243(1991)167

Amperometry; Biosensors; Hypoxanthine; Fish; Foods; Hydroxymethylferrocene electron-transfer mediator, Xanthine oxidase 244(1991)161

Amperometry; Aspartate aminotransferase; Alanine aminotransferase; Serum; Glutamate oxidase, Hydrogen peroxide 245(1991)57

Amperometry; Aspartate electrode 245(1991)63

Ion exchange; Enzyme inhibition; Oxalate oxidase; Urine, Oxalate, Thiocyanate 245(1991)129

Amperometry; Hydrogen peroxide; Organic solvents, Horseradish peroxidase 245(1991)133

Amperometry; Lactate; Malate; Wines; Malate dehydrogenase, NADH oxidase 245(1991)145

Amperometry; Lactate; Saliva; Lactate oxidase, Hydrogen peroxide 245(1991)151

Amperometry; Flow system; Biosensors; Glucose; Glucose dehydrogenase, Benzene-1,4-dicarboxamide *N*,*N*-bis(benzophenoxazinyl) derivative 246(1991)283

Cyclic voltammetry; Amperometry; Glucose; Viologens; Electron-transfer mediators, Carbon paste electrode 248(1991)155

Biosensors; Organic phase; Review 249(1991)1

Amperometry; Glucose; Biosensors; Glucose dehydrogenase, Glucose oxidase 249(1991)43

Potentiometry; Ammonia membrane electrode; Biosensor; Serum; Urea; Urease electrode; Activated poly(vinyl alcohol), Immobilized 249(1991)387

Potentiometry; Fermentation broth; Milk; Penicillin; Glass pH electrode, Penicillinase 249(1991)405

Amperometry; Immunoassay; Biosensors; Fibre-optic sensors; Immunosensors; Bioaffinity, Biocatalytic 250(1991)249

Enzyme immunomicrosensor

Potentiometry; Immunoglobulin; Ion-sensitive field-effect transistor 230(1990)189

Enzyme inhibition

Ion exchange; Enzyme electrode; Oxalate oxidase; Urine, Oxalate, Thiocyanate 245(1991)129

Enzyme membrane

Field effect transistor; Glucose; Co-immobilization, Glucose oxidase, Gluconolactonase 231(1990)213

Enzyme purification

Liquid chrom.; Phosphocellulose; Recombinant DNA 249 (1991)195

Enzyme reactions

Flow system; Kinetic analysis; Liquid chrom.; Computer controlled apparatus; Protein; Stopped-flow 220(1989)13

Fluorimetry; Phenol sulphotransferase; Hydroxybenzaldehyde substrate, Dexamethasone 234(1990)359

Spectrophotometry; Aspartame; Food; Peptidase cleavage, Glutamate oxidation 234(1990)465

Chemiluminescence; Acetaldehyde; Xanthine oxidase, Luminol, Potassium hexacyanoferrate (III) 236(1990)459

Fluorimetry; Lipid membrane; Transduction; Fluorescence microscopy; Nitrobenzoxadiazolephosphatidylethanolamine fluorophore, Acetylcholinesterase, Acetylcholine substrate 237(1990)253

Spectrophotometry; Flow system; Chemiluminescence; Glucose; Serum; Mimetic peroxidase, Hydrogen peroxide, Luminol 237(1990)497

Potentiometry; Amino acids; Tyrosine; Phenylalanine; Membrane electrodes; Decarboxylase 239(1990)23

Spectrophotometry; Hydrogen peroxide; Glucose; Leuco Patent Blue Violet, Peroxidase 243(1991)217

Opto-acoustic spectrom.; Photoacoustic spectroscopy; Acoustic emission; Catalase, Hydrogen peroxide, Oxygen effervescence 246(1991)43

Enzyme reactor

Flow system; Fluorimetry; Blood; Lactate; Immobilized 201 (1987)351

Flow system; Foods; Fructose; Glucose 202(1987)199

Flow system; Amperometry; Carbohydrate; Starch; Immobilized glucoamylase 204(1988)43

Flow system; Chemiluminescence; Sugars 205(1988)195

Flow system; Fluorimetry; Amino acids; Bioluminescence; Serum; Urine; Branched-chain 205(1988)229

Flow system; Amperometry; Myo-inositol 206(1988)49

Flow system; Amperometry; Cholesterol; Serum 207(1988)319

Flow system; Potentiometry; Penicillin; Pharmaceuticals 209 (1988)123

Flow system; Spectrophotometry; Alcoholic beverages; Glucose; NADPH formed 211(1988)281

Flow system; Amperometry; Enzyme electrode; Lactate 213 (1988)91

Flow system; Amperometry; Xylose; Xylulose 213(1988)139

Flow system; Spectrophotometry; Fluorimetry; Ethanol; Linear and cyclic 214(1988)161

Flow system; Amperometry; Ion exchange; Acetylcholine; Choline; Lipids 214(1988)173

Flow system; Thermom. analysis; Pyrophosphate; Thermistor 214(1988)409

Amperometry; Flow system; Glutathione 214(1988)415

Flow system; Amperometry; Oxalate; Immobilized oxalate oxidase 218(1989)1

H.p.l.c.; Amperometry; Nicotinamide coenzymes 218(1989)129

Flow system; Fluorimetry; Isoleucine; Leucine; Valine; Immobilized leucine dehydrogenase 218(1989)161

Flow system; Spectrophotometry; Glucose; Characterization of activity 218(1989)291

Flow system; Liquid chrom.; Modified electrode; Xylulose; Recirculating flow 225(1989)263

Amperometry; Biosensor; Choline; Acetylcholine; Immobilized, Hydrogen peroxide 231(1990)27

Conductometry; Biosensor; Urea; Asparaginase; Creatinine; Miniature, Multi-analyte, Electrode double layer capacitance 231(1990)33

Spectrophotometry; Flow system; Ethanol; Blood; Dialyser; Immobilized, Alcohol dehydrogenase 231(1990)115

Flow system; Glutamate; Enzyme electrode; Glutamate oxidase, Immobilized, Hydrogen peroxide 231(1990)121

Blood; Plasma; Glucose; Cellulose membranes; Dialysis cell, NADH, Haematocrit 231(1990)165

pH-static enzyme sensor; Ion-sensitive field effect transistor; Enzymatic membrane 233(1990)49

Amperometry; Formaldehyde; Dehydrogenase, Hexacyanoferrate(III), NADH 233(1990)59

Liquid chrom.; Amperometry; Carbohydrates; Immobilized, Post-column derivatization 234(1990)13

Gel perm. chromatography; Flow system; Starch; Glycogen; Amylase; Controlled-pore glass beads, Hydrolysis 234(1989)97

Flow system; Pesticides; Waters; Immobilized acetylcholinesterase, Automated enzyme inhibition, Magnetic device 234 (1990)113

Flow system; Amperometry; Ethanol; Beverages; Gas-diffusion membrane; Immobilized alcohol dehydrogenase, Hydrogen peroxide 234(1990)213

Flow system; Spectrophotometry; Lysine; Amino acids 235 (1990)329

Flow system; Paraoxon; Pesticides; Organophosphorus, Continuous-flow, Stopped-flow, Immobilized acetylcholinesterase 236(1990)267

Potentiometry; Pyridostigmine; Plasma; Calibration; Optimization 236(1990)431

Flow system; Sugars; Lactic acid; Protein; Biomass; Fermentation; On-line 237(1990)165

Spectrophotometry; Flow system; Polyamines; Amine oxidases; Cells; Immobilized, Hydrogen peroxide, Sepharose 237 (1990)391

Amperometry; Flow system; Glucose; Blood; Chemically modified electrode, Segmented sample injection, On-line dialysis, Haematocrit 237(1990)405

Spectrophotometry; Flow system; Urea; Serum; Gas diffusion, Urease 237(1990)503

Flow system; Amperometry; Phosphate; Substrate recycling; Co-immobilized purine nucleoside phosphorylase-xanthine oxidase, Co-immobilized purine nucleoside phosphorylase-xanthine oxidase-alkaline phosphatase 238(1990)339

Flow system; Spectrophotometry; Lactic acid; Glucose; Serum; Sequential determination, Diode-array, Controlled-pore glass, Co-immobilization 238(1990)411

Flow system; Fluorimetry; Alanine; Serum; Beverages; Immobilized poly(vinyl alcohol) beads 239(1990)307

Kinetic analysis; Flow system; Oxalate; Urine; Double stopped flow 242(1991)179

Fluorimetry; Flow system; Fructose; Mannitol dehydrogenase 243(1991)183

Fluorimetry; Flow system; Nitrogen compounds; Creatinine; Ammonia; Serum, Amino acids 245(1991)89

Spectrophotometry; Flow system; Malic acid; Wines; Stopped-flow, Malate dehydrogenase, Malolactic fermentation 247(1991)61

Amperometry; Biosensors; Foods; Sucrose; Yeast cell walls; Invertase, Mutarotation, Phosphate 247(1991)83

Amperometry; Flow system; Nicotinamide coenzymes; Immobilized, Amplification, Substrate recycling, Hydrogen peroxide 248(1991)345

Fluorimetry; Liquid chrom.; Sorbitol dehydrogenase 248 (1991)367

Flow system; Amperometry; Air; Alcohols; Gas detection; Hydrogen peroxide; Sulphur dioxide; Continuous monitoring, Platinum electrode 248(1991)379

Voltammetry; Biosensors; Catecholamines; Indoleamines; Ion-selective electrodes; Monoamine oxidase, Ammonia, Rat liver 249(1991)71

Flow system; Spectrophotometry; Aldehydes; Immobilized yeast aldehyde dehydrogenase, Controlled-pore glass 249 (1991)145

Chemiluminescence; Flow system; DNA; Biotinylated glucose oxidase-labelled DNA probes, Hydrogen peroxide 249(1991) 155

Flow system; Amperometry; Glucose; Double injection, Oxygen-permeable reaction coil, Stopped-flow 249(1991)451

Fluorimetry; Flow system; Liquid chrom.; Bile acids; Serum; 3α -Hydroxysteroid dehydrogenase oxidation catalyst, NAD⁺ coenzyme 249(1991)461

Amperometry; Flow system; Biosensors; Chemically modified electrodes; Immobilized, Selective detection 250(1991)203

Enzyme systems

Potentiometry; Alcohol-FET sensor; Blood ethanol 207(1988) 77

Flow system; Chemiluminescence; Fibre-optic sensor; ATP; NADH; Polyamide membrane 235(1990)243

Chemiluminescence; Flow system; Immunoassay; Haptens; Thyroxine; Horseradish peroxidase, Luminol 237(1990)285

Glucose oxidase; Monoclonal antibodies; Screening procedures; ELISA 241(1990)105

Enzyme thermistor

Thermom. analysis; Process analysis; Biosensor; Sugars; Glucose, Maltose, Sucrose, Fermentation 238(1990)211

Enzyme-catalysed reactions

Conductometry; Serum; Urea 211(1988)205

Chemiluminescence; Biosensors; Fibre-optic sensor; Self-contained, Entrapped co-reactant 243(1991)149

Enzyme-linked immunosorbent assay

Flow system; Immunoassay; Bioreactors; Process monitoring 249(1991)163

Immunoassay; Electrophoresis; Antibody expression; Flow cytometry; Hybridoma cells; Monoclonal antibodies; Homogeneous continuous perfusion culture systems 249(1991)257

Enzyme-modified field effect transistor

Flow system; Potentiometry; Urea 202(1987)131

Enzymes

Immunoassay; Amperometry; α-Fetoprotein; Immunocomplex; Biosensor 222(1989)235

Mass spectrometry; Cyclic nucleotides 247(1991)161

Analyte recognition; Carriers; Molecular interaction; Optical sensing; Transduction 250(1991)181

Epinephrine

Flow system; Fluorimetry; Norepinephrine; Trihydroxyindole; Urine 229(1990)27

Anod. stripping voltammetry; Voltammetry; Electrochemical cell; Lead; Cadmium; Cylindrical graphite fibre microelectrode, Square-wave 237(1990)127

Equilibria

Complexation equilibria; Predominance-zone diagrams; Multiconditional constants 246(1991)435

Equilibrium constants

Potentiometry; Algorithm 223(1989)419

Multi-equilibria systems; Algorithms 249(1991)353

Equivalence point

Titrimetry; Anod. stripping voltammetry 206(1988)153

Equivalence volumes

Potentiometry; Titrimetry; Review 206(1988)111

Erbium

Lanthanide complexation; Polyimide film; Circular dichroism spectroscopy; Factor analysis; Kalman filter 246(1991)1

Ergosterol

Liquid chrom.; Spectrophotometry; Yeast cells 225(1989)129

EROS systems

Organic synthesis design; Haloform reaction, Similarity definitions 235(1990)65

Organic synthesis design; Automated rule derivation, Machine learning 235(1990)163

Error analysis

Flow system; Spectrophotometry; Computer simulation; Signal processing; Iron(II)-o-phenanthroline, Azo dye 235(1990) 337

Mass spectrometry; Fermentation gas analysis; Process analysis; Poly- β -hydroxybutyrate, *Alcaligenes latus*, *Bacillus subtilis* 238(1990)101

Rapid lifetime determination 245(1991)121

Erythromycin

Liquid chrom.; Polarimetry; Laser 221(1989)239

Essential oils

Gas chromatography; Simplex algorithm; Fragrance matching 248(1991)41

Ester

Coulometry; Hydrogen ion; Anodic oxidation, Propylene carbonate 229(1990)287

Estradiol

H.p.l.c.; Chemiluminescence; Serum; Normal-phase 205 (1988)255

Estradiol palmitate

Mass spectrometry; Tandem mass spectrometry 241(1990)265

Estriol

Chemiluminescence; Immunoassay; Saliva 205(1988)215

Estrogen

Fluorimetry; Immunoassay; Laser 227(1989)129

Ethanedial

Spectrophotometry; I.r. spectrometry; Mass spectrometry; Iron(II) complexes; Glyoxal; Aminophenanthroline; Carbon paste electrodes; Redox mediators 242(1991)233

Cyclic voltammetry; Amperometry; Iron(II) complexes; Glyoxal; Carbon paste electrodes; Redox mediators 242(1991)241

Ethanediamine

Polarography; Lead; Thallium, Cadmium, Hydroxyl ion 226 (1989)351

Ethanol

Emission spectrometry; Alcohol dehydrogenase-catalyzed reactions; Molecular emission cavity analysis 207(1988)355

Spectrophotometry; Kinetic analysis; Fermentation media; Glucose; Enzymatic 213(1988)61

Flow system; Spectrophotometry; Fluorimetry; Enzyme reactor; Linear and cyclic 214(1988)161

Raman spectrometry; Fermentation process; Fructose; Glucose; Fibre-optic system 215(1988)211

Conductometry; Acetic acid; Acetone; Computerised array; Semiconductor gas sensors 219(1989)213

Amperometry; Alcohol dehydrogenase; Bioelectrode; NADH; Yeast 221(1989)43

Spectrophotometry; Flow system; Blood; Enzyme reactor; Dialyser; Immobilized, Alcohol dehydrogenase 231(1990)115

Flow system; Amperometry; Beverages; Gas-diffusion membrane; Enzyme reactor; Immobilized alcohol dehydrogenase, Hydrogen peroxide 234(1990)213

Flow system; Spectrophotometry; Fluorimetry; Fermentation; Foods; Fruit juices; Glucose; Process analysis; Pullulan; Sucrose; Microorganism filtration unit, Baker's yeast 249(1991) 137

Principal components; Chemometrics; Cluster analysis; Partial least squares; Solvent identification; Tin oxide thin-film sensor array 250(1991)257

Ethanol probe

Conductometry; Fermentors; Membrane gas sensor 215 (1988)71

Ethanol production

Conductometry; Baker's yeast, Gas sensor 213(1988)151

Ethanol-selective optode membrane

244(1991)151

Ethanolamines

Principal components; Spectrophotometry; Titrimetry; Copper; Salicylate 223(1989)257

Liquid chrom.; Chemiluminescence; Chromatography; Alkanolamines; Ion-pair, Luminol 246(1991)447

Ethers

Kinetic analysis; Acetylacetone; Mass transfer; Extraction; Interfacial 237(1990)237

Ethyl acetate

Gas chromatography; Acetaldehyde; Fermentation; Fusel alcohols; Gas-permeable membrane; Alcoholic fed-batch 213 (1988)231

Ethyl tetrabromophenolphthalein

Spectrophotometry; Aluminium; Nickel ion; Pyridyldiphenyltriazine; Steel 221(1989)109

Ethylaluminium dichloride

Raman spectrometry; Molten salts; Organochloroaluminate; Room temperature 240(1991)299

Ethylammonium nitrate

Chromatography; Sample preparation; Extraction solvents; Propylammonium nitrate; Liquid-liquid extraction, Proton donors 236(1990)51

Ethylene

Gas chromatography; Fruits; Field effect transistor; Semiconductors 231(1990)93

Ethylenebis(triphenylphosphonium) cation

Flow system; Spectrophotometry; Cobalt; Extraction 225 (1989)123

Ethylenediamine

Voltammetry; Copper; Sea water; Rotating mercury film electrode 245(1991)177

Ethylene-propylene copolymer

Gas chromatography; Correlation chromatography; Headspace analysis; Peak resolution 239(1990)317

Ethylenethiourea

H.p.l.c.; Filters; Urine; Occupational hygiene 212(1988)297

Ethylguanine isomers

Mass spectrometry; Collision-induced dissociation; Laser desorption; Fourier transform 247(1991)235

Ethylphosphine

I.r. spectrometry; Organophosphorus compounds; Normal coordinate calculations 240(1990)19

Etoposide

Flow system; Spectrophotometry; On-line electrochemical derivatization; Plasma; Teniposide; Diode-array detection 202(1987)35

Europium

Flow system; Spectrophotometry; Fluorimetry; On-line reduction 201(1987)339

Fluorimetry; Electroluminescence; Cathodic, Oxide-coated aluminium electrode 209(1988)165

Fluorimetry; Samarium; Laser-excited, Time-resolved, Labelling of biomolecules 219(1989)67

Fluorimetry; Terbium; Samarium; Hexafluoroacetylacetone-trioctylphosphine oxide-Triton X-100 231(1990)157

Fluorimetry; Diphacinone; Yttrium; Rare earth oxides; Fluorescence enhancement, Ammonia 231(1990)295

Chemiluminescence; Dimethylxanthine; Energy transfer 237 (1990)273

Fluorimetry; Fluorescence enhancement; Terbium, Phenanthroline, Benzoylacetone 238(1990)307

Diffl. pulse voltammetry; Ytterbium; Rare earths; Mercury thin-film electrodes; Nafion coating; Ion-exchange preconcentration 244(1991)29

Fluorimetry; Samarium; Rare earth elements; Fluorescence enhancement, Gadolinium, Dibenzoylmethane-diethylamine 245(1991)109

Fluorimetry; Minerals; Rare earth minerals; Gadolinium fluorescence enhancer 247(1991)37

Voltammetry; Linear-sweep, Normal-pulse, Square-wave, 2-Thenoyltrifluoroacetone complexant 247(1991)89

Evaporation

At. abs. spectrometry; Waters; Environmental samples; Lead;

Cadmium; Copper; Zinc; Preconcentration; Snow, Ice, Contamination 236(1990)391

Exciplex

Fluorimetry; Diethylaniline; Indole; Liposome; Pyrene 227 (1989)267

Experimental design

At. abs. spectrometry; Glass ceramics; Titanium; Nitrous oxide/acetylene 203(1987)55

Spectrophotometry; Niobium; Differential 203(1987)67

Spectrophotometry; Multicomponent determinations 207 (1988)125

Expert system

Chemometric program 210(1988)33

I.r. spectrometry; Environmental mixtures; Interpretation program 210(1988)51

Digital simulation; Laboratory management 222(1989)1

Digital simulation; Quality control 222(1989)19

Liquid chrom.; Basic drug; Ion-pair 223(1989)1

Mass spectrometry; Principal components; Toxic compounds 223(1989)105

Liquid chrom.; Spreadsheet 223(1989)183

Acid/base disorder; Electrolyte disorder 223(1989)269

Liquid chrom.; Pharmaceutical sample; Ruggedness test 228 (1990)145

Flow system; Amperometry; Penicillin; Pharmaceuticals; Enzymatic hydrolysis; Validation program 233(1990)65

Literature searches, Information management, Curve fitting, Data description 235(1990)7

Liquid chrom.; Method validation; Precision testing 235 (1990)27

Gas chromatography; Mass spectrometry; Pattern recognition; Low-resolution mass spectra; Volatile organic compounds; MAXMASS 246(1991)391

Voltammetry; Coulometry; Electrode reaction mechanisms 248(1991)429

Explosives

Fluorimetry; Waters; Nitro compounds; Trinitrotoluene; Dinitrotoluene; Hexahydrotrinitrotriazine; In situ optical detection, Fluorescence quenching 237(1990)265

Exponential dilution

Chromatography; Standards; Gaseous, Concentration gradients 236(1990)221

Extended x-ray absorption fine structure spectrometry Copper oxide; Zinc oxide; Weighting factors 233(1990)229

External reflection

I.r. spectrometry; Specular reflectance; Fresnel's equations, Weakly absorbing organic materials, Refractive index 240 (1990)179

I.r. spectrometry; Fourier transform, Theory 240(1991)251

Extraction

Voltammetry; Sea-water; Selenium; Differential-pulse cathodic stripping 201(1987)33

Flow system; At. abs. spectrometry; Indium; Flame 201(1987) 325

Fluorimetry; Lithium; 14-Crown-4-derivative 203(1987)85

Spectrophotometry; Alkaline earth ions; Crown ether dyes; Synthesis 204(1988)113

Electrotherm. atomization; At. abs. spectrometry; Palladium; Platinum; Rocks; Soils; Iodo complexes 204(1988)333

Spectrophotometry; Catalysts; Rhenium; Microcrystalline benzophenone 204(1988)359

Spectrophotometry; Niobium; Steels 204(1988)365

Copper; Spline functions; Surface excess isotherm 206(1988) 215

Fluorimetry; Chloroquine; Plasma 206(1988)339

Fluorimetry; Anionic surfactants; Waters; Ion-pair 206(1988) 351

Spectrophotometry; Barium; Geological samples 206(1988)363

Spectrophotometry; Trace metals; Waters; 1,3-Dimethyl-4-acetyl-2-pyrazolin-5-one 207(1988)137

Emission spectrometry; Geological materials; Plasmas; Silver 207(1988)171

Electrotherm. atomization; At. abs. spectrometry; Gold; Silver; Thallium; Urine; Flame, Iodide complexes 207(1988)283

Cadmium; Zinc 207(1988)367

Spectrophotometry; Palladium 207(1988)373

Spectrophotometry; Steels; Tungsten 208(1988)91

Anod. stripping voltammetry; Cadmium; Indium; Lead; Thallium; Diethyldithiocarbamates 208(1988)219

Spectrophotometry; At. abs. spectrometry; Sulphide; Fluoride; Phosphate 208(1988)313

Gas chromatography; Mass spectrometry; Pendimethaline; Waters 208(1988)331

Electrotherm. atomization; At. abs. spectrometry; Bismuth metal; Copper; Zinc; Thiocyanate 209(1988)281

Spectrophotometry; Bismuth; Copper-base alloys 211(1988)305

H.p.l.c.; Flow system; Organophosphorus pesticides; Waters 212(1988)123

Flow system; Review 214(1988)29

Flow system; Ion exchange; At. abs. spectrometry; Emission spectrometry; Gas diffusion; On-line separation; Preconcentration 214(1988)41

Flow system; Spectrophotometry; Potassium; Sodium; Waters; Silica column 214(1988)289

Spectrophotometry; Cinchona alkaloids; Chiral organic anion extractants; Ion-pair 215(1988)119

At. abs. spectrometry; Flow system; Cationic surfactants; Waters; Indirect, With tetrathiocyanatocobaltate 215(1988)233

Flow system; At. abs. spectrometry; Preconcentration; C-18 bonded silica 216(1989)243

At. abs. spectrometry; Metal complexes; Ore; Palladium; Ammonium pyrrolidine dithiocarbamate, Methyl isobutyl ketone 217(1989)165

Spectrophotometry; Palladium 218(1989)111

Electrotherm. atomization; At. abs. spectrometry; Copper; Environmental samples; Lead 218(1989)173

Spectrophotometry; Hydrogen peroxide 218(1989)331

At. abs. spectrometry; Vanadium; Indirect 218(1989)341

Isotope dilut. analysis; Plants; Sulphur 219(1989)97

Spectrophotometry; Iron; Molten biphenyl/naphthalene 219 (1989)171

Spectrophotometry; Fabric conditioners; Hair conditioners; Quaternary ammonium salts; Tertiary alkylamines 219(1989) 239

Spectrophotometry; Molybdenum; Steels 219(1989)323

Liquid chrom.; Plutonium; Soils; α-Spectrometry 220(1989)103

LithiumSodium; Synergic 220(1989)111

Flow system; Cylindrical cavity-type phase separator 220 (1989)275

Alkaline earth metal ion; Crown complex 224(1989)47

Flow system; Spectrophotometry; Cobalt; Ethylenebis(triphenylphosphonium) cation 225(1989)123

Flow system; Spectrophotometry; Dichromate; Tetramethylenebis(triphenylphosphonium) cation 225(1989)241

Spectrophotometry; Hydroxyquinoline; Multicomponent analysis; Trace metals 226(1989)271

Bis(trimethylpentyl)phosphinic acid; Lanthanide 227(1989)397

Ion exchange; Environmental sample; Technetium 228(1990) 163

Algorithm; Computer; Silver nitrate 228(1990)229

Flow system; Spectrophotometry; Crown ether; Lead; Preconcentration 230(1990)157

Metal ions; Liquid-liquid, Tris(2,6-dimethoxyphenyl)phosphine, Phosphonium salts 231(1990)107

Boron; Rocks; Isotopic ratios; Alkali fusion, Methyl borate distillation, Isotope dilution 231(1990)147

Flow system; Spectrophotometry; Rhenium; Crown ethers; Potassium perrhenate, Brilliant Green 232(1990)287

At. abs. spectrometry; Metal ions; Cobalt; Nickel; Zinc; Cadmium; Phosphine oxides; Liquid-liquid, 1-Phenyl-3-methyl-4-benzoyl-5-pyrazolone 232(1990)293

At. abs. spectrometry; Heavy metals; Graphite furnace 232 (1990)301

At. abs. spectrometry; Cobalt; Preconcentration; Liquid surfactant membranes; Graphite furnace, Liquid-liquid 232 (1990)389

Chromatography; Spectrophotometry; Copper; Zinc; Cadmium; Preconcentration; Reversed-phase partition, 2-(5-Bromo-2-pyridylazo)-5-dimethylaminophenol stationary phase 232(1990)393

Liquid chrom.; Flow system; Liquid scintillation counting; Amino acids; Reversed-phase, Phenylthiohydantoin derivatives 233(1990)181

Flow system; Liquid chrom.; Spectrophotometry; Mass spectrometry; Organic pollutants; Pesticides; Chlorinated phenoxy acids; Waters; On-line continous-flow, Organophosphorus 234(1990)119

Liquid chrom.; Amperometry; Spectrophotometry; Copper; Iron; Waters; Biological materials; Cupferron derivatization 235(1990)279

Flow system; Polyphenols; Olive oil; Iterative flow direction change 235(1990)441

Chromatography; Sample preparation; Pharmaceuticals; Pesticides; Biological samples; Serum; Blood 236(1990)99

Gas chromatography; Pharmaceuticals; Urine; Drugs of abuse, Column lifetime and performance, Fused-silica capillary columns 236(1990)115

Gas chromatography; Liquid chrom.; Organic acids; Biological fluids; Serum; Urine 236(1990)121

Gas chromatography; Mass spectrometry; Waters; Herbicides; Solid-phase extraction, Well water 236(1990)141

Gas chromatography; Liquid chrom.; Waters; Solid-phase extraction, Membrane, Filtration, Pesticides, Polychlorinated biphenyls, Phthalates 236(1990)157

Air; Sampling procedures; Organic volatiles; Pollution 236 (1990)197

Activ. analysis; Gold; Waters; Gamma spectrometry; Tributylphosphate, Prospecting, Solid extract 236(1990)483

Kinetic analysis; Acetylacetone; Ethers; Mass transfer; Interfacial 237(1990)237

Spectrophotometry; Copper; Tetrathio ethers, cyclic; Liquid-liquid 237(1990)245

Spectrophotometry; Gold; Ores; Amidines; Methylene blue, Diphenylbenzamidine 237(1990)491

X-ray fluores. spectrometry; Germanium; Polyurethane foam; Molybdogermanate 238(1990)423

Flow system; Liquid chrom.; Caffeine; Zidovudine; Beverages; Food; Urine 239(1990)171

Lutetium; Phenylmethylaroylpyrazolones; Steric effect, *Ortho* substituents, Trioctylphosphine oxide 239(1990)277

Rhodium; Iridium; 4-(Non-5-yl)pyridine 242(1991)191

At. abs. spectrometry; Waters; Nickel; Preconcentration; Graphite furnace, Dithiocarbamate complex, Xylene 242 (1991)209

X-ray fluores. spectrometry; Gold; Geological samples; Tributyl phosphate, Solid extractant 243(1991)81

At. abs. spectrometry; Bismuth; 2-(2-Benzoxazolyl)cyanoacetaldehyde, 2-(2-Benzoxazolyl)malonaldehyde 244(1991)123

Anod. stripping voltammetry; Surfactants; Anionic, Ethylene-diaminecopper extractant 244(1991)197

At. abs. spectrometry; Waters; Sea water; Separating funnels; Fluorinated ethylene-propylene, Dithiocarbamate-Freon-TF-extraction 245(1991)21

Spectrophotometry; Zirconium; Hafnium; Dicyclohexyl-18-crown-6; Crown ether 245(1991)27

Kinetic analysis; Palladium; Equilibrium, Mechanism 245 (1991)225

Flow system; Copper; Segmenter; Continuous flow, Dual channel 245(1991)251

Gas chromatography; Fats; Lipids; Oils; Pesticides; Organophosphorus pesticides; Solid-phase extraction cartridges 245(1991)259

At. abs. spectrometry; Geological materials; Steels; Vanadium; Graphite furnace, Meteorites 246(1991)359

At. abs. spectrometry; Antimony; Waters; Lactic acid complex, Malachite Green ion pair, Graphite furnace 247(1991)7

At. abs. spectrometry; Arsenic; Steels; Waters; Graphite furnace, Arsenomolybdic acid 247(1991)13

Flow system; Phase separator; Coaxial, On-line, Benzyl alcohol, Carbon tetrachloride 247(1991)67

At. abs. spectrometry; Electrotherm. atomization; Tungsten hexafluoride; Trace metals; Trioctylamine 248(1991)235

Liquid chrom.; Polycyclic aromatic hydrocarbons; Supercritical fluid extraction; Supercritical fluid chromatography, Microextractor cell geometry 248(1991)263

Voltammetry; Liquid chrom.; Food dyes; Dynamic column solid-phase extraction 248(1991)289

Computer-calculated extraction curves; Ion pairs; Extraction constants, Dissociation constants 248(1991)473

Computer-calculated extraction curves; Ion pairs; Extraction constants, Dissociation constants 248(1991)483

Flow system; Spectrophotometry; Partition coefficients; Octan-1-ol-water 248(1991)493

Cinchona alkaloids; Usnic acid optical isomers, Metal complexes 248(1991)501

Spectrophotometry; Vanadium; Adogen-464, Adipate complex 248(1991)507

Copper; Liquid-liquid, Cyclic and acyclic thioethers 248 (1991)511

Spectrophotometry; Membrane filtration; Niobium; Phenylfluorone complex, Zephiramine 248(1991)529

At. abs. spectrometry; Nickel; Zinc; Bis(4-acylpyrazol-5-one) derivative extractants, Liquid-liquid, Polymethylene chain length, Steric effects, Tri-*n*-octylphosphine oxide synergist 249(1991)525

Extraction constant

Generalized form, Metal chelate 218(1989)323

Extraction solvents

Chromatography; Sample preparation; Ethylammonium nitrate; Propylammonium nitrate; Liquid-liquid extraction, Proton donors 236(1990)51

Eye cataracts

Pattern recognition; Trace metals 242(1991)11

F

Fabric conditioners

Spectrophotometry; Extraction; Hair conditioners; Quaternary ammonium salts; Tertiary alkylamines 219(1989)239

Factor analysis

Lanthanide complexation; Erbium; Polyimide film; Circular dichroism spectroscopy; Kalman filter 246(1991)1

Chromatography; Peak purity control 246(1991)379

Titrimetry; Algorithm; Copper complexes; Multi-equilibria systems 248(1991)447

Liquid chrom.; Calibration; Kalman filter; Multi-wavelength detection; Rank annihilation 250(1991)37

Factorial design

Spectrophotometry; Hydrogen peroxide; Oxalic acid 223 (1989)283

Faradaic transient

Amperometry; Concentration, Temperature, Chronoamperometry 226(1989)337

Fast atom bombardment

Mass spectrometry; Cyclic nucleotides 247(1991)177

Mass spectrometry; Ribomononucleotides (isomeric) 247 (1991)187

Fast scans

Cyclic voltammetry; Flow system 211(1988)287

Fats

Phosphorimetry; Biacetyl; Room temperature 227(1989)319

Gas chromatography; Extraction; Lipids; Oils; Pesticides; Organophosphorus pesticides; Solid-phase extraction cartridges 245(1991)259

Fatty acid esters

Mass spectrometry; Collision-induced dissociation, B/E linked scans 246(1991)187

Fatty acid sensor

Amperometry; Immobilized enzymes 220(1989)251

Feces

Gas chromatography; Mass spectrometry; Carboxylic acids, short chain; Ion-trap detector 247(1991)223

Fenitrothion

Flow system; Amperometry; Pesticides; Fenthion 209(1988)205

Fenthion

Flow system; Amperometry; Pesticides; Fenitrothion 209 (1988)205

Fenton's reagent

Chemiluminescence; Flow system; Amines; Amino acids; Schiff bases; Phenylacetaldehyde, Sodium bis(2-ethylhexyl)sulphosuccinate reversed micellar solution 247(1991)27

Fermentation

Fluorimetry; Microorganisms; Immobilized 213(1988)47

Flow system; Fluorimetry; Phenylalanine 213(1988)55

Gas chromatography; Acetaldehyde; Ethyl acetate; Fusel alcohols; Gas-permeable membrane; Alcoholic fed-batch 213 (1988)231

Amperometry; Electron mediator; Glucose; Enzyme electrode 222(1989)75

Flow system; Biosensor; Enzyme electrode; Modified graphite electrode, Glucose dehydrogenase, Glucose 235(1990)265

Flow system; Sugars; Lactic acid; Protein; Biomass; Enzyme reactor; On-line 237(1990)165

Spectrophotometry; Chemiluminescence; Flow system; Biomass; Glucose; Lactic acid; Lactate; Gradient dilution, Hydrogen peroxide 247(1991)45

Flow system; Fluorimetry; Biosensors; Field-effect transistors; Process analysis; Thermistors; Ethanol, Mannitol, Penicillin, Urea, Sugars 249(1991)25

Biosensors; Sampling system; Coaxial catheter, Sterile monitoring, Glucose, Lactate, Blood 249(1991)61

Flow system; Spectrophotometry; Bioprocess monitoring; Glucose ammonia proteins; Process analysis; Diode-array, Stopped-flow 249(1991)77

Liquid chrom.; Flow system; Process monitoring 249(1991)87

Spectrophotometry; Flow system; Acetate; Phosphate; Process analysis; E. coli 249(1991)101

Flow system; Turbidimetry/nephelometry; Bioprocess monitoring; Process analysis; Proteins; Pullulanase isoenzymes, Monoclonal antibodies 249(1991)113

Flow system; Bioreactors; Membrane modules; Penicillin fermentation; Process monitoring; Ammonium, Glucose 249 (1991)123

Flow system; Spectrophotometry; Fluorimetry; Ethanol; Foods; Fruit juices; Glucose; Process analysis; Pullulan; Sucrose; Microorganism filtration unit, Baker's yeast 249(1991) 137

Immunoassay; Insulin; Genetic engineered human insulin, Downstream processing 249(1991)271

Fluorimetry; Bacterial cultures; Mathematical models; Physiological state; Process analysis; *Clostridium acetobutylicum*, NADH fluoresence 249(1991)279

Fermentation broths

Gas chromatography; Volatile metabolites 213(1988)11

Potentiometry; Enzyme electrodes; Milk; Penicillin; Glass pH electrode, Penicillinase 249(1991)405

Fermentation gas analysis

Mass spectrometry; Error analysis; Process analysis; Poly-β-hydroxybutyrate, *Alcaligenes latus*, *Bacillus subtilis* 238(1990) 101

Fermentation media

Spectrophotometry; Kinetic analysis; Ethanol; Glucose; Enzymatic 213(1988)61

H.p.l.c.; Ion exchange; Organic acids; Short glass columns 213(1988)227

Fermentation of whey

H.p.l.c.; Sugars; On-line, Ultrafiltration 204(1988)127

Fermentation processes

Amperometry; Potentiometry; Microbiological sensors; Review 213(1988)69

Raman spectrometry; Ethanol; Fructose; Glucose; Fibre-optic system 215(1988)211

Fermentor monitoring

Flow system; Amperometry; Chemically sterilizable barrier; Glucose; Oxygen 216(1989)299

Fermentors

Conductometry; Ethanol probe; Membrane gas sensor 215 (1988)71

Ferrocene

Cyclic voltammetry; Electrode kinetics; Micro-electrode 225 (1989)83

Potentiometry; Ion exchange; Glucose; Glucose oxidase; Siloxane polymer 228(1990)23

Amperometry; Glucose; Glucose oxidase; Carbon-paste electrode 228(1990)251

Ferrocenylalkanethiols

Cyclic voltammetry; Alkanethiols; Gold electrode; Mixed monolayer films 246(1991)233

Ferroin

Flow system; Kinetic analysis; Ion-pair extraction 224(1989)169

α-Fetoprotein

Immunoassay; Amperometry; Enzyme; Immunocomplex; Biosensor 222(1989)235

Immunoassay; Kinetic analysis; Immunoglobulin G; Placental lactogen; Fluoride ion-selective electrode 224(1989)329

Fibre optics

Fluorimetry; Reflectance spectrometry; In situ; Poly(vinyl chloride); Sensor; Trinitrotoluene 221(1989)1

Fluorimetry; Photodiode array 224(1989)235

Flow system; Biosensor; Fruit juice; Glucose; Wine 225(1989) 293

Chemiluminescence; Flow system; NADH; Sensor; Bioluminescence 226(1989)331

Fluorimetry; Immunoassay; Biosensor; Phenytoin 227(1989) 135

Fluorimetry; Ammonia; Biosensor; Urea 227(1989)387

Fluorimetry; Liquid chrom.; Amino acid; Laser-induced 229 (1990)3

Spectrophotometry; Titrimetry; pH; Sensor; Acid-base 230 (1990)35

I.r. spectrometry; Fuel quality; Multivariate calibration; Process analysis; Gasoline; Diesel fuel; Octane number, Cetane number 238(1990)95

Fibre-optic chemical sensors

Fluorimetry; Pressurized membrane indicator 217(1989)249

Spectrophotometry; Cyanide; Metalloporphyrins; Corrins 241 (1990)119

Fibre-optic sensors

Fluorimetry; Oxygen; Decay time 205(1988)1

Fluorimetry; Air; Sulphur dioxide 208(1988)53

Fluorimetry; Carbon dioxide 219(1989)223

Fluorimetry; Gas sensor; Ammonia; Serum; Fluoresceins 231 (1990)231

Ion-selective electrodes; Ion-sensitive field effect transistor; Ionophores; Sodium; Blood; Serum; Lipophilic, 1,2-Phenylenedioxydiacetamides 233(1990)295

Flow system; Chromatography; Optosensing; Ammonia; Phosphate; Thin-layer detector 234(1990)31

Flow system; Lactic acid; Biosensor; Dairy fermentation; Kefir culture; Immobilized lactate oxidase 234(1990)107

Flow system; Chemiluminescence; ATP; NADH; Enzyme system; Polyamide membrane 235(1990)243

Immunoassay; Fluorimetry; Biosensor; Benzo[a]pyrene tetraol; Laser excitation 236(1990)237

Fluorimetry; Cyclodextrin; Immobilized, Inclusion complex, Anilinonaphthalene sulphonates 237(1990)485

Fluorimetry; Immune reactions; Antigens, Antibodies, Evanescent wave detection, Skew rays 238(1990)317

Chemiluminescence; Biosensors; Enzyme-catalysed reactions; Self-contained, Entrapped co-reactant 243(1991)149

Fluorimetry; Immunosensors; Haptens; $F_{(ab')}$ antibody fragments 246(1991)55

Spectrophotometry; Air; Hydrogen cyanide; Automatic detection, Light-emitting diodes 246(1991)259

Flow system; Fluorimetry; Biosensors; Foods; Glutamate; Pharmaceuticals; Oxygen optrode, Carbon dioxide optrode 248(1991)351

Fluorimetry; Polymer swelling; Salt concentrations; Optical displacement, Sulphonated dextran, Sulphonated polystyrene 249(1991)373

Amperometry; Immunoassay; Biosensors; Enzyme electrodes; Immunosensors; Bioaffinity, Biocatalytic 250(1991)249

Fibres

I.r. spectrometry; Fourier transform; Chalcogenide; Surface modification 240(1990)125

Fibrinogen

Piezoelectric sensing; Quartz-crystal gelation detector 217 (1989)321

Field monitor

Spectrophotometry; Flow system; Ammonia; Waters 214 (1988)401

Flow system; Spectrophotometry; Nitrate; River water 227 (1989)379

Field-effect transistors

Potentiometry; Hypoxanthine sensor; Uric acid; Amorphous silicon 215(1988)301

Gas chromatography; Ethylene; Fruits; Semiconductors 231 (1990)93

Glucose; Enzyme membrane; Co-immobilization, Glucose oxidase, Gluconolactonase 231(1990)213

Flow system; Biosensor; Glucose; Urea; Penicillin; Cephalosporin C; Process analysis 238(1990)201

Flow system; Fluorimetry; Biosensors; Fermentation; Process analysis; Thermistors; Ethanol, Mannitol, Penicillin, Urea, Sugars 249(1991)25

Field-flow fractionation

Crossflow hydrodynamics; Retention ratio; Reynolds number, Analyte transport 246(1991)161

Film balance

Kinetic analysis; Langmuir-Blodgett films; Process analysis; Proteins; Air/water interface, Multi-compartment trough, β -Lactoglobulin 249(1991)241

Film reactor

Flow system; Conductometry; Waters; Organic pollutants; Titanium dioxide; Immobilized 231(1990)13

Filters

H.p.l.c.; Ethylenethiourea; Urine; Occupational hygiene 212 (1988)297

Fire assay

At. abs. spectrometry; Geological materials; Palladium; Rhodium; Platinum; Rocks; Nickel sulphide 246(1991)365

Fires

Gas chromatography; Arson; Sample preparation, Headspace analysis, Liquid-liquid extraction, Adsorption/elution, Distillation 236(1990)183

First-order decay of an absorbing species

Spectrophotometry; Data-acquisition schedules; Optimization 204(1988)295

Fish

Pattern recognition; Mullet species discrimination, Classification, Prediction, Biometric and chemical variables 233(1990) 143

Liquid chrom.; Waters; Organic pollutants; Cytotoxicity; In vitro 234(1990)193

At. abs. spectrometry; Hydride generation; Lead; Waters; Wine; Vegetable; Foods; Potassium dichromate 237(1990)181

Amperometry; Biosensors; Enzyme electrodes; Hypoxanthine; Foods; Hydroxymethylferrocene electron-transfer mediator, Xanthine oxidase 244(1991)161

At. abs. spectrometry; Foods; Lead 246(1991)375

Gas chromatography; Biological samples; Mercury; Organomercury halides; Speciation; Butylation, Derivatization, Microwave-induced plasma emission detector 249(1991) 545

Fish meat

Polarography; Biosensor; Hypoxanthine; Xanthine oxidase 221(1989)215

Flame

At. abs. spectrometry; Iron; Nickel; Cobalt; Molybdenum; Catalysts; Petroleum; Microwave oven digestion, Slurry 235 (1990)405

Flavin mononucleotide

Flow system; Chemiluminescence; Chromium; Cationic micellar surfactant modifier, Hydrogen peroxide 232(1990)385

Flavins

H.p.l.c.; Fluorimetry; Waters; Solid-phase ion-pair extraction 201(1987)127

Liquid chrom.; Vitamins; Two-electrode amperometric detection 239(1990)29

Flavocytochrome b_2

Potentiometry; Enzyme electrodes; Lactate; Reagentless, Electrocatalytic oxidation 243(1991)167

Flavonoids

Liquid chrom.; Copper; Catechin; Electrochemical detection 232(1990)377

Flotation

Spectrophotometry; Osmium; Crystal Violet, Malachite Green 242(1991)185

Flotation separation

Spectrophotometry; Dinitrocatechol; Niobium; Oxalate; Rhodamine B 226(1989)281

Flow cells

Flow system; Ion-selective field-effect transistors; Wall jet cell, Flow-through cell, ISFET, CHEMFET 248(1991)307

Flow cytometry

Immunoassay; Electrophoresis; Antibody expression; Enzyme-linked immunosorbent assay; Hybridoma cells; Monoclonal antibodies; Homogeneous continuous perfusion culture systems 249(1991)257

Flow gradient

Flow system; Spectrophotometry; Unsegmented flow, Concentration gradient, Metal complexes, Acidity constants 239 (1990)211

Flow microcalorimetry

Thermom. analysis; Aerobic and anaerobic wastewater-treatment; Biological activity 213(1988)165

Flow reactor

I.r. spectrometry; Gas cell; Methylchlorosilane; Silicon 222 (1989)221

Flow-through porous electrodes

Mass-transfer coefficients for cylinders and spheres; Theoretical expressions 215(1988)295

Preconcentration; Metal ions; Mathematical model 232(1990) 401

Flunitrazepam

Raman spectrometry; I.r. spectrometry; Benzodiazepines; Nitrazepam; Nimetazepam; Clonazepam; Fourier transform 240(1991)287

Fluorescamine

Fluorimetry; Liquid chrom.; Phthalaldehyde; Triton; Cyclodextrin; Pharmaceuticals 234(1990)187

Fluorescein

Fluorimetry; Dichlorofluorescein; Variable-angle spectrometer, Simultaneous determination 233(1990)159

Fluorescein-labelled albumin

Flow system; Fluorimetry; Protease; Fluoromethylpyridinium salt 230(1990)131

Fluorescence enhancement

Fluorimetry; Europium; Terbium, Phenanthroline, Benzoylacetone 238(1990)307

Fluorescence microscopy

Fluorimetry; Enzyme reaction; Lipid membrane; Transduction; Nitrobenzoxadiazolephosphatidylethanolamine fluorophore, Acetylcholinesterase, Acetylcholine substrate 237 (1990)253

Fluorescence polarization

Fluorimetry; Kinetic analysis; DNA hybridization kinetics; Labelled oligonucleotides, Mismatches 244(1991)207

Fluorescence quenching

Chromatography; Polynuclear aromatic hydrocarbons; Nitromethane 246(1991)65

Fluoride

H.p.l.c.; Acetate; Ammonium; Antarctic ice; Formate; Methanesulphonate 203(1987)11

Spectrophotometry; At. abs. spectrometry; Extraction; Sulphide; Phosphate 208(1988)313

Flow system; Spectrophotometry 214(1988)433

Flow system; Spectrophotometry; Waters 219(1989)329

Potentiometry; Ores; Slags; Direct fusion 219(1989)335

Fluorimetry; Optical-fibre sensor 220(1989)75

Gas chromatography; Alkylsilane; Blood serum 222(1989)121

Potentiometry; Concentration cell; Standard addition 225 (1989)97

At. abs. spectrometry; Aluminum; Matrix modifier; Graphite furnace 225(1989)233

Flow system; Fluorimetry; On-line; Ternary complex; Calcein blue, Zirconium 230(1990)137

Flow system; Fluorimetry; Zirconium-Calcein Blue-fluoride complex, Sensor 234(1990)345

Potentiometry; Ion-selective electrodes; Waters; Complementary metal oxide semiconductor device, Automated monitor, Battery operated 237(1990)345

Fluoride-selective electrode

Potentiometry; Flow system; Horseradish peroxidase; Milk; Turnip extract 208(1988)173

Potentiometry; Computerized instrument; Waters; Battery-powered, Field-based, Metal-oxide semiconductor 208(1988) 195

Fluorine

Potentiometry; H.p.l.c.; Coal; Minerals; Pyrohydrolysis 202 (1987)61

Potentiometry; Plants; Vegetables; Open-flame ashing, Microdiffusion 212(1988)133

Fluoromethane

I.r. spectrometry; Submillimetrewave spectroscopy; Pure rotational transitions, Acoustic detection 240(1990)167

Fluoronitro benzoxadiazole

Fluorimetry; Chinese hamster; Ovary cell; Phthalaldehyde 223(1989)299

Fluoropyrimidines

Chemiluminescence; Liquid chrom.; Coumarin derivatization reagents 239(1990)181

Fluorouracil

H.p.l.c.; Amperometry; Pharmaceuticals; Serum; Anodic 207 (1988)183

Foam flotation-separation

Ozone generation; Oxidation reactions; Cerium; Mini ozonizer 238(1990)427

Fodder plants

Pattern recognition; Animal feeds; Rumen bacteria; Enzymatically changed, Genetic varieties 213(1988)177

Food chemistry

Principal components; Pattern recognition; Data bank 223 (1989)223

Food dyes

Voltammetry; Liquid chrom.; Extraction; Dynamic column solid-phase extraction 248(1991)289

Food extract

Electrophoresis; Metal-protein complex; Flow-through, Flatbed 230(1990)1

Food flavours

Data base; Identification, Production control 235(1990)215

Foods

Flow system; Enzyme reactor; Fructose; Glucose 202(1987)199

Spectrophotometry; Phosphate; Stopped-flow, Time-difference 203(1987)35

H.p.l.c.; Voltammetry; Disaccharides; Monosaccharides; Physiological fluids; Electrocatalytic chemically modified electrode 206(1988)85

Electrotherm. atomization; At. abs. spectrometry; Molybdenum 219(1989)79

Flow system; Spectrophotometry; Carboxylic acid; Soil; Citric acid 221(1989)19

Fluorimetry; Micelle; Zinc 227(1989)219

Liquid chrom.; Time-domain differentiation; Computerized peak resolution; Propyl gallate; Butylhydroquinone; Antioxidants 234(1990)263

Spectrophotometry; Kinetic analysis; Nitrite; Water; Sausage, Potassium bromate, Thionine 234(1990)403

Isotope dilut. analysis; Manganese; Biological samples; Spices; Thenoyltrifluoroacetone complex 234(1990)445

Spectrophotometry; Enzyme reaction; Aspartame; Peptidase cleavage, Glutamate oxidation 234(1990)465

Mass spectrometry; Isotope dilut. analysis; Lead; Pineapple; Isotope systematics; Soldered cans, Welded cans, Clean laboratory 235(1990)367

Chromatography; Pesticides; Sample preparation; High fat 236(1990)77

Diffl. pulse polarography; Amino acids; Serum; Schiff's base, Borax buffer, Acetaldehyde 236(1990)307

At. abs. spectrometry; Hydride generation; Lead; Fish; Waters; Wine; Vegetable; Potassium dichromate 237(1990)181

Flow system; Liquid chrom.; Extraction; Caffeine; Zidovudine; Beverages; Urine 239(1990)171

Amperometry; Flow system; Glucose; Soft drinks; Enzyme electrodes; Hydrogen peroxide, Membrane 242(1991)91

Amperometry; Ascorbic acid; Printed strip electrochemical sensor; Graphite, Tetracyanoquinodimethane modifier 243 (1991)173

Amperometry; Biosensors; Enzyme electrodes; Hypoxanthine; Fish; Hydroxymethylferrocene electron-transfer mediator, Xanthine oxidase 244(1991)161

Mass spectrometry; Plasmas; Lithium; Biological samples; Serum; Inductively coupled, Standard Reference Materials 244(1991)259

Potentiometry; Iron; Derivative adsorption, 2-(5'-Bromo-2'-pyridylazo)-5-dimethylaminophenol 245(1991)77

At. abs. spectrometry; Fish; Lead 246(1991)375

Amperometry; Biosensors; Enzyme reactor; Sucrose; Yeast cell walls; Invertase, Mutarotation, Phosphate 247(1991)83

Mass spectrometry; Gas chromatography; Honey; Pentachlorophenol; Sep-Pak extraction 247(1991)121

Flow system; Fluorimetry; Biosensors; Fibre-optic sensor; Glutamate; Pharmaceuticals; Oxygen optrode, Carbon dioxide optrode 248(1991)351

Flow system; Spectrophotometry; Fluorimetry; Ethanol; Fermentation; Fruit juices; Glucose; Process analysis; Pullulan; Sucrose; Microorganism filtration unit, Baker's yeast 249 (1991)137

Forests

Waters; Humic substances; Soils; Fractionation: XAD-8 hydrophobic resin 232(1990)3

Formaldehyde

Spectrophotometry; Using formaldehyde dehydrogenase 215 (1988)249

Amperometry; Enzyme reactor; Dehydrogenase, Hexacyanoferrate(III), NADH 233(1990)59

Kinetic analysis; Spectrophotometry; Multi-component analysis; Acrolein; Wavelength-pair method, Diode-array detection 244(1991)81

Formate

H.p.l.c.; Acetate; Ammonium; Antarctic ice; Fluoride; Methanesulphonate 203(1987)11

Formate dehydrogenase activity

Flow system; Fluorimetry; Cell permeabilization; Intracellular enzyme activity; Yeast cells; *Candida boidinii* 248(1991)371

Formation constants

Liquid chrom.; Polynuclear aromatic hydrocarbons; Cyclodextrin complexes; Solubility; Non-inclusional assocation, Temperature dependence 232(1990)239

I.r. spectrometry; Kinetic analysis; Amine complexes; Aniline complexes; Fourier transform, Organic acceptors, Tetracyanoethylene, Fluoranil 240(1991)347

Spectrophotometry; Copper chelates; Stereoselective adduct formation, α -Acylcamphorato chelates, Chiral Lewis bases 244(1991)289

Formebolone metabolism

Gas chromatography; Mass spectrometry; Steroids, anabolic 247(1991)211

Formic acid

Kinetic analysis; Oxalic acid; Gasometric 212(1988)303

Chemiluminescence; Waters; Sea water; Enzyme bioluminescence reaction 231(1990)299

Formylaminoethanol

Mass spectrometry; Bioorganic molecules; Oligosaccharides; Peptides; Fast atom bombardment, Matrix 241(1990)219

Förster energy transfer

Fluorimetry; Calmodulin; Protein dynamics; Transferrin 205 (1988)161

Fourier transform

Mass spectrometry; Molecular weight; Tandem quadrupole 225(1989)1

Mass spectrometry; Dual-cell geometry; Ion cyclotron resonance 225(1989)11

Mass spectrometry; Surfactant; Textiles; Laser desorption 228(1990)169

I.r. spectrometry; Langmuir-Blodgett films; Phospholipid; Valinomycin; ISFET; Potassium; Structural characterization, Micro-ATR 240(1990)29

I.r. spectrometry; Polyimide films; Silicon electronic devices; Langmuir-Blodgett films; Attenuated total reflectance 240 (1990)81

I.r. spectrometry; Chalcogenide; Fibres; Surface modification 240(1990)125

I.r. spectrometry; Alumina; Photo-induced interaction; Rhenium; Hydroxylated alumina surface 240(1990)211

I.r. spectrometry; Rhenium; Alumina; Hydroxylated alumina surface 240(1990)215

Fourier-transform filter

Spectrophotometry; Polynomial filter; Savitzky-Golay filter 222(1989)335

Chromatography; Signal-to-noise ratio 248(1991)441

Free acidity

Flow system; Titrimetry; Oil 225(1989)431

Free chlorine

Spectrophotometry; Chlorine species; Acid Yellow 17, N,N-Diethyl-p-phenylenediamine, Leuco crystal violet 249(1991)519

Fructose

Flow system; Enzyme reactor; Foods; Glucose 202(1987)199

Raman spectrometry; Ethanol; Fermentation process; Glucose; Fibre-optic system 215(1988)211

Flow system; Amperometry; Glucose isomerase; Immobilization 224(1989)31

Fluorimetry; Flow system; Enzyme reactor; Mannitol dehydrogenase 243(1991)183

Fruit juices

Flow system; Biosensor; Fibre-optic; Glucose; Wine 225 (1989)293

Gas chromatography; Isocitric acid; Malic acid; Citric acid; Lemon juice; Adulteration, Acyl esters 239(1990)165

Fluorimetry; Kinetic analysis; Ascorbic acid; Vitamin pills; o-Phenylenediamine 243(1991)89

Flow system; Spectrophotometry; Fluorimetry; Ethanol; Fermentation; Foods; Glucose; Process analysis; Pullulan; Sucrose; Microorganism filtration unit, Baker's yeast 249(1991) 137

Fruits

Gas chromatography; Ethylene; Field effect transistor; Semiconductors 231(1990)93

Fuberidazol

Fluorimetry; Carbaryl; Pesticide mixture; Warfarin; Variableangle scanning 228(1990)293

Fuel oils

Electrotherm. atomization; Spectrophotometry; Sulphur; Carbon sulphide molecules 201(1987)59

Fuel quality

I.r. spectrometry; Fibre optics; Multivariate calibration; Process analysis; Gasoline; Diesel fuel; Octane number, Cetane number 238(1990)95

Fuels

Mass spectrometry; Polar compounds; Methanol chemicalionization 211(1988)83

Fulvic acid equilibria

Anod. stripping voltammetry; Copper; Labile metal fraction; Lead; Sampled-d.c. 211(1988)141

Fulvic acids

N.m.r. spectrometry; Mass spectrometry; Humic substances; Soils; Waters; Isotope ratios; Amino acid analysis 232(1990)19

Spectrophotometry; Fluorimetry; I.r. spectrometry; N.m.r. spectrometry; Laurentian, Colour origin 232(1990)43

E.s.r.; Paramagnetic metal ions 232(1990)51

Fluorimetry; Paramagnetic metal ions 232(1990)77

Vapour-pressure osmometry; Molecular weight, Aggregation 232(1990)123

Humic substances; Iron; Copper; Ultrafiltration; Metalhumate interactions 232(1990)171

Liquid chrom.; Atrazine; Ultrafiltration; Laurentian, Binding, Hydrolysis 232(1990)181

Voltammetry; D.c. polarography; Metal-fulvic complexes; Complexants; Diffusion coefficient, Distribution function 232 (1990)209

Metal-fulvic complexes; Complexants; Buffering action, Background sites 232(1990)225

Activ. analysis; Chromium; Waters; Gamma counting 236 (1990)357

Liquid chrom.; Atrazine; Humic acid; Herbicides; Laurentian, Ultrafiltration 244(1991)135

Anod. stripping voltammetry; Copper complexes; Humic acids; 1-(2-Pyridylazo)-2-naphthol, 8-Quinolinol 248(1991)95

Fumed silica

Diffl. pulse voltammetry; Anod. stripping voltammetry; Lead; Urine 237(1990)177

Function of mutual information

Liquid chrom.; Optimization; Capacity factor, Mobile-phase 222(1989)301

Liquid chrom.; Antipyretic; Kalman filter; Mobile phase 222 (1989)313

Fungi

Flow system; Amperometry; Microorganisms; Microbiological sensor; Bacteria; *Escherichia coli* 234(1990)247

Fungicide

Flow system; Spectrophotometry; Malachite green; Manganese ethylenebisdithiocarbamate; Periodate 222(1989)269

Furazolidone

Spectrophotometry; Metronidazole; Tablets, K-matrix method 249(1991)349

Fusel alcohols

Gas chromatography; Acetaldehyde; Ethyl acetate; Fermentation; Gas-permeable membrane; Alcoholic fed-batch 213 (1988)231

Fuzzy classification

N.m.r. spectrometry; Pheromones; Dienes; Configurations; ¹³C chemical shifts 233(1990)223

Fuzzy theory

Review, Chemical applications 235(1990)169

Surface analysis; Homogeneity, Depth profiles 239(1990)61

G

Galactosamine complexes

D.c. polarography; Glucosamine complexes; Cobalt, Nickel, Copper 207(1988)85

Galactose

Amperometry; Glucose biosensor 218(1989)137

Galacturonic acid

Bentonite clay; Iron 226(1989)315

Spectrophotometry; Chromium; Reduction, Complexes, Stability constants 248(1991)301

Gallamine

Potentiometry; Ion-selective electrodes; Membrane electrodes; Pharmaceuticals; Pancuronium; Tubocurarine; Succinylcholine; Muscle relaxants 238(1990)405

Gallium

Fluorimetry; Synchronous derivative 218(1989)167

Gallium arsenide

Potentiometry; Titrimetry; Semiconductors; Stoichiometry; Arsenic 244(1991)247

Gallium trichloride

At. abs. spectrometry; Trace elements; Volatilization; Electrothermal atomization 226(1989)193

Gamma irradiation

Amperometry; Enzyme electrodes; Lactate; Poly(vinyl alcohol); Lactate oxidase, Platinized graphite, Hydrogen peroxide 243(1991)23

Gamma spectrometry

Activ. analysis; Gold; Waters; Extraction; Tributylphosphate, Prospecting, Solid extract 236(1990)483

Gangliosides

Bovine brain tissue; DNA probes; Pharmaceuticals; Quality control; Dot-blot hybridization 249(1991)291

Gas cell

I.r. spectrometry; Flow reactor; Methylchlorosilane; Silicon 222(1989)221

Gas detection

Flow system; Amperometry; Air; Alcohols; Enzyme reactor; Hydrogen peroxide; Sulphur dioxide; Continuous monitoring, Platinum electrode 248(1991)379

Flow system; Amperometry; Potentiometry; Air; Chlorine; Hydrogen chloride; Continuous monitoring 248(1991)391

Gas diffusion

Flow system; Ion exchange; At. abs. spectrometry; Emission spectrometry; Extraction; On-line separation; Preconcentration 214(1988)41

Flow system; Conductimetry/oscillometry; Nitrogen; Waters; Ammonia, Nitrate, Nitrite 245(1991)183

Gas sensor

Potentiometry; Control chart; Semiconductor 225(1989)89

Fluorimetry; Ammonia; Serum; Fibre-optic sensor; Fluoresceins 231(1990)231

Gas sensor array

Pattern recognition; Multivariant Techniques 242(1991)31

Gas chromatography; Pattern recognition; Liquor aromas; Headspace concentration; Semiconductor 243(1991)293

Gas treatment

Titrimetry; Ion exchange; Chromatography; Process analysis; Sulphur; Thiols; Automated titrator 238(1990)161

Gas-diffusion flow-injection

Flow system; Spectrophotometry; Optimization 209(1988)157

Gas-diffusion membrane

Flow system; Amperometry; Ethanol; Beverages; Enzyme reactor; Immobilized alcohol dehydrogenase, Hydrogen peroxide 234(1990)213

Gas-diffusion separation

Flow system; Spectrophotometry; Ion exchange; Ammonium ions 214(1988)121

Flow system; Potentiometry; Cyanide; Silver-wire electrode; Membrane barrier, Selectivity 233(1990)77

Gas-permeable membrane

Gas chromatography; Acetaldehyde; Ethyl acetate; Fermentation; Fusel alcohols; Alcoholic fed-batch 213(1988)231

Gas-permeable tubular membrane

Potentiometry; Ammonia 219(1989)309

Gaseous samples

Flow system; Flow direction 224(1989)127

Gases

Mass spectrometry; Theoretical aspects, Calibration 201 (1987)241

Opto-acoustic spectroscopy; Sulphur dioxide; Ultraviolet laser 218(1989)101

Solubility; Henry's law 238(1990)257

Opto-acoustic spectrom.; Adsorption isotherms; Humidity correction algorithm; Surface acoustic wave sensors 248 (1991)337

Gasoline

Flow system; Emission spectrometry; Lubricating oil; Flame 234(1990)439

I.r. spectrometry; Fuel quality; Fibre optics; Multivariate calibration; Process analysis; Diesel fuel; Octane number, Cetane number 238(1990)95

Gauss-Newton method

Ionization constant; Polyprotic acid 222(1989)359

Genetic variant

Chemiluminescence; Infectious agent 227(1989)1

Geological materials

Emission spectrometry; Extraction; Plasmas; Silver 207(1988) 171

Spectrophotometry; Ion exchange; Boron 211(1988)243

Isotope dilut. analysis; Mass spectrometry; Emission spectrometry; Rubidium 229(1990)157

Mass spectrometry; Plasma; Laser ablation; Rocks; Minerals; Inductively coupled 235(1990)381

At. abs. spectrometry; Extraction; Steels; Vanadium; Graphite furnace, Meteorites 246(1991)359

At. abs. spectrometry; Fire assay; Palladium; Rhodium; Platinum; Rocks; Nickel sulphide 246(1991)365

Emission spectrom.; Gold; Plasmas; D.c. argon plasma 248 (1991)569

Activ. analysis; Gold; Microwave sublimation; Ores; Helium-oxygen plasma 248(1991)579

Emission spectrom.; Spectrophotometry; Plasmas; Silica; Centrifugation, Differentiation of colloidal and dissolved silica, Filtration, Inductively coupled, Tuffs 249(1991)509

Geological samples

Ion exchange; Emission spectrometry; Gold; Palladium; Plasmas; Platinum 201(1987)95

Spectrophotometry; Barium; Extraction 206(1988)363

H.p.l.c.; Emission spectrometry; Plasmas; Rare-earth elements; Inductively-coupled 207(1988)149

Emission spectrometry; Liquid chrom.; Plasmas; Rare earth elements; Inductively-coupled, Oxalate coprecipitation, Cation-exchange 208(1988)163

Spectrophotometry; Flow system; Ion exchange; Preconcentration; Uranium 214(1988)279

I.r. spectrometry; Talc 217(1989)353

Isotope dilut. analysis; Mass spectrometry; Uranium 228 (1990)333

At. abs. spectrometry; Gold; Palladium; Platinum; Rhodium; Silver; Selenium; Tellurium; Reductive coprecipitation; Graphite furnace, Mercury collector, Matrix modification 231 (1990)273

Ion exchange; Zirconium vanadophosphate 235(1990)435

Fluorimetry; Uranium; Waters; Time-resolved laser-induced, Complexing media, Mineral phase 238(1990)291

X-ray fluores. spectrometry; Gold; Extraction; Tributyl phosphate, Solid extractant 243(1991)81

Molybdenum; Visual comparison 244(1991)245

Spectrophotometry; At. abs. spectrometry; Rocks; Microwave acid digestion 245(1991)43

Germanate

Chromatography; Ion exchange; Arsenate; Phosphate; Silicate; Molybdenum blue reaction, Post-column detection 249 (1991)539

Germanium

Spectrophotometry; Rocks; Adsorption on Sephadex 209 (1988)333

Spectrophotometry; Phenylfluorone 221(1989)183

At. abs. spectrometry; Hydride generation; Meteorite 228 (1990)139

Emission spectrometry; Hydride generation; Interference 229 (1990)239

X-ray fluores. spectrometry; Polyurethane foam; Extraction; Molybdogermanate 238(1990)423

Germanium compounds

Emission spectrom.; Plasmas; Inductively coupled 247(1991)1

Glass ceramics

At. abs. spectrometry; Experimental design; Titanium; Nitrous oxide/acetylene 203(1987)55

Glass electrode

Voltammetry; Autoprotolysis constant; Acetonitrile; Standardization, Solvent composition, E.m.f. 244(1991)183

Glass technology

Principal components; Pattern recognition; Photochromic material 223(1989)247

Glass-covered samples

I.r. spectrometry; Diffuse reflectance; Hydrogen spillover; Zeolite; Fourier transform, Water formation 240(1991)363

Glass-making

Principal components; X-ray fluores. spectrometry 225(1989)

Glassy carbon electrodes

Voltammetry; Review; Surface preparation 207(1988)1

Cyclic voltammetry; Redox species; Electrochemical oxidation 243(1991)43

Cyclic voltammetry; Amperometry; Flow system; Microelectrode arrays; TTF-TCNQ, Hydroquinone, Dopamine, Ascorbic acid 246(1991)315

Mass spectrometry; X-ray fluores. spectrometry; Scanning electron microscopy; Surface analysis; Electrochemical modification, Solid-state characterization 248(1991)127

Amperometry; Cyclic voltammetry; Electropolymerization; Polymer-coated electrodes; Resole prepolymer mixtures; Continuous-flow sensing 249(1991)395

Glucosamine complexes

D.c. polarography; Galactosamine complexes; Cobalt, Nickel, Copper 207(1988)85

Glucose

Amperometry; Enzyme electrodes 201(1987)281

Flow system; Enzyme reactor; Foods; Fructose 202(1987)199

Amperometry; Flow system; Lactic acid; Plasma; Computer-controlled 209(1988)231

Flow system; Spectrophotometry; Alcoholic beverages; Enzyme reactor; NADPH formed 211(1988)281

Spectrophotometry; Kinetic analysis; Ethanol; Fermentation media; Enzymatic 213(1988)61

Voltammetry; Electromagnetic entrapment of biocatalyst; Enzyme electrode; Magnetic beads 213(1988)121

Flow system; Spectrophotometry; Plasma 214(1988)455

Raman spectrometry; Ethanol; Fermentation process; Fructose; Fibre-optic system 215(1988)211

Flow system; Amperometry; Chemically sterilizable barrier; Fermentor monitoring; Oxygen 216(1989)299

Flow system; Spectrophotometry; Enzyme reactor; Characterization of activity 218(1989)291

Fluorimetry; Biosensor; Glucose oxidase 221(1989)195

Amperometry; Electron mediator; Fermentation; Enzyme electrode 222(1989)75

Chemiluminescence; Amino acid; Enzymatic assay; Luminol; Micelle 225(1989)147

Flow system; Amperometry; Cell cultivation; Enzyme cartridge; Lactate 225(1989)253

Flow system; Biosensor; Fibre-optic; Fruit juice; Wine 225 (1989)293

Potentiometry; Ion exchange; Ferrocene; Glucose oxidase; Siloxane polymer 228(1990)23

Amperometry; Ferrocene; Glucose oxidase; Carbon-paste electrode 228(1990)251

Amperometry; Flow system; Conducting organic salt; Sensor; Wall-jet cell 229(1990)83

Enzyme reactor; Blood; Plasma; Cellulose membranes; Dialysis cell, NADH, Haematocrit 231(1990)165

Field effect transistor; Enzyme membrane; Co-immobilization, Glucose oxidase, Gluconolactonase 231(1990)213

Enzyme electrodes; Polycarbonate membrane; Blood; Hydrogen peroxide, Isopropyl myristate 232(1990)357

Fluorimetry; Kinetic analysis; Hydrogen peroxide; Homovanillic acid; Peroxidase-like catalysed oxidation; Manganese tetrakis (sulphophenyl)porphyrin-catalysed oxidation 233 (1990)299

Flow system; Amperometry; Enzyme electrode; Blood; Mediator 234(1990)321

Cyclic voltammetry; Enzyme electrode; Poly(*N*-methylpyrrole) film, Immobilized, Glucose oxidase, Gold microelectrode, Electropolymerization 235(1990)255

Amperometry; Enzyme electrode; Sucrose; Immobilized invertase, Beverages 236(1990)245

Amperometry; Flow system; Blood; Enzyme reactor; Chemically modified electrode, Segmented sample injection, On-line dialysis, Haematocrit 237(1990)405

Spectrophotometry; Flow system; Chemiluminescence; Enzyme reaction; Serum; Mimetic peroxidase, Hydrogen peroxide, Luminol 237(1990)497

Flow system; Biosensor; Field effect transistor; Urea; Penicillin; Cephalosporin C; Process analysis 238(1990)201

Flow system; Spectrophotometry; Enzyme reactor; Lactic acid; Serum; Sequential determination, Diode-array, Controlled-pore glass, Co-immobilization 238(1990)411

Amperometry; Enzyme electrodes; Biosensor; Ugi reaction, Immobilization, Cyclohexyl cyanide, Glutaraldehyde 239 (1990)263

Amperometry; Flow system; Foods; Soft drinks; Enzyme electrodes; Hydrogen peroxide, Membrane 242(1991)91

Amperometry; Enzyme electrodes; Glucose oxidase, Needletype microsensor 242(1991)275

Amperometry; Enzyme electrodes; Preconcentration; Biocatalytic accumulation 243(1991)17

Spectrophotometry; Hydrogen peroxide; Enzyme reactions; Leuco Patent Blue Violet, Peroxidase 243(1991)217

Amperometry; Flow system; Biosensors; Enzyme electrodes; Glucose dehydrogenase, Benzene-1,4-dicarboxamide *N*,*N*-bis(benzophenoxazinyl) derivative 246(1991)283

Spectrophotometry; Chemiluminescence; Flow system; Biomass; Fermentation; Lactic acid; Lactate; Gradient dilution, Hydrogen peroxide 247(1991)45

Cyclic voltammetry; Amperometry; Enzyme electrodes; Viologens; Electron-transfer mediators, Carbon paste electrode 248(1991)155

Amperometry; Biosensors; Enzyme electrodes; Glucose dehydrogenase, Glucose oxidase 249(1991)43

Flow system; Spectrophotometry; Fluorimetry; Ethanol; Fermentation; Foods; Fruit juices; Process analysis; Pullulan; Sucrose; Microorganism filtration unit, Baker's yeast 249 (1991)137

Flow system; Amperometry; Enzyme reactor; Double injection, Oxygen-permeable reaction coil, Stopped-flow 249 (1991)451

Glucose ammonia proteins

Flow system; Spectrophotometry; Bioprocess monitoring; Fermentation; Process analysis; Diode-array, Stopped-flow 249 (1991)77

Glucose biosensor

Amperometry; Galactose 218(1989)137

Glucose isomerase

Flow system; Amperometry; Fructose; Immobilization 224 (1989)31

Glucose oxidase

Chemiluminescence; Cetyltrimethylammonium bromide; Hydrogen peroxide; Luminol; Micelle; Sensor 221(1989)11

Fluorimetry; Biosensor; Glucose 221(1989)195

Amperometry; Blood-glucose; Carbon-fibre; Stopped-flow dialysis 221(1989)205

Potentiometry; Ion exchange; Ferrocene; Glucose; Siloxane polymer 228(1990)23

Amperometry; Ferrocene; Glucose; Carbon-paste electrode 228(1990)251

Amperometry; Platinum microparticle; Polypyrrole 228(1990) 311

Enzyme systems; Monoclonal antibodies; Screening procedures; ELISA 241(1990)105

Glucose sensors

Ion exchange; Flow system; Biosensors; Poly(ester-sulfonic acid) coatings 245(1991)139

Glucose-sensitive field-effect transistor

Potentiometry; Two-enzyme membrane 212(1988)49

Glutamate

Flow system; Enzyme reactor; Enzyme electrode; Glutamate oxidase, Immobilized, Hydrogen peroxide 231(1990)121

Polarography; Enzyme electrode; Amplification; Alanine 236 (1990)437

Amperometry; Enzyme electrodes; L-Glutamate oxidase, Streptomyces platensis 243(1991)9

Flow system; Fluorimetry; Biosensors; Fibre-optic sensor; Foods; Pharmaceuticals; Oxygen optrode, Carbon dioxide optrode 248(1991)351

Glutamate oxaloacetate transaminase

Potentiometry; Glutamate pyruvate transaminase; Pyruvate; Pyruvate oxidase; Enzyme electrode 222(1989)83

Glutamate pyruvate transaminase

Potentiometry; Glutamate oxaloacetate transaminase; Pyruvate; Pyruvate oxidase; Enzyme electrode 222(1989)83

Glutamic acid

Liquid chrom.; Amino acids; Chiral separation; Enantiomer separation; Chiral stationary phase, Cyclodextrin, Phthalaldehyde derivatization 234(1990)127

Glutathione

Amperometry; Flow system; Enzyme reactor 214(1988)415

T.l.c.; Fluorimetry; Blood 227(1989)203

Cyclic voltammetry; Amperometry; Diffl. pulse voltammetry; Carbon electrodes; Biosensor; Ascorbic acid; Screen-printed, Cobalt phthalocyanine modifier 231(1990)203

Glycogen

Gel perm. chromatography; Flow system; Enzyme reactor; Starch; Amylase; Controlled-pore glass beads, Hydrolysis 234 (1989)97

Glycolate

Amperometry; Glycolate oxidase; Sensor; Mediator 228 (1990)31

Glycolate oxidase

Amperometry; Glycolate; Sensor; Mediator 228(1990)31

Glycols

Amperometry; Flow system; Coulometry; Anodic, Kinetics, Nickel electrode 208(1988)247

Glycoprotein variants

Liquid chrom.; Hydrophobic interaction chromatography; Plasminogen activator; Proteins 249(1991)201

Glycoproteins

Mass spectrometry; Biological samples; Proteins; Oligonucleotides; Carbohydrates; Matrix-assisted UV/laser desorption/ionization 241(1990)175

Mass spectrometry; Endoglucanase I; Time-of-flight, UV laser desorption, Plasma desorption, *Trichoderma reesei* fungus 241(1990)321

Glyoxal

Spectrophotometry; I.r. spectrometry; Mass spectrometry; Iron(II) complexes; Ethanedial; Aminophenanthroline; Carbon paste electrodes; Redox mediators 242(1991)233

Cyclic voltammetry; Amperometry; Iron(II) complexes; Ethanedial; Carbon paste electrodes; Redox mediators 242 (1991)241

Glyphosate

Gas chromatography; Aminomethylphosphonic acid; Herbicide; Nitrogen-phosphorus detector 229(1990)277

Ion exchange; Chromatography; Nitrosoglyphosate 230(1990) 29

Liquid chrom.; Fluorimetry; Aminomethylphosphonic acid; Pesticides; Waters; Post-column fluorogenic labelling 233 (1990)311

Gold

Ion exchange; Emission spectrometry; Geological samples; Palladium; Plasmas; Platinum 201(1987)95

Electrotherm. atomization; At. abs. spectrometry; Extraction; Silver; Thallium; Urine; Flame, Iodide complexes 207(1988) 283

Flow system; Potentiometry; Computerized flow, Constantcurrent stripping, Carbon or platinum fibre electrodes 208 (1988)301

Anod. stripping voltammetry 209(1988)193

H.p.l.c.; Ion exchange; Platinum group metals; Chloro complexes, Bonded phase silica 220(1989)195

At. abs. spectrometry; Emission spectrometry; Mass spectrometry; Platinum; Solvent extraction; Zeeman effect, Graphite furnace 229(1990)227

At. abs. spectrometry; Palladium; Platinum; Rhodium; Silver; Selenium; Tellurium; Geological samples; Reductive coprecipitation; Graphite furnace, Mercury collector, Matrix modification 231(1990)273

Cyclic voltammetry; Carbon paste-electrode; Chelating resin modified 232(1990)367

At. abs. spectrometry; Silver; Plasma; Graphite furnace, Zeeman effect background correction, Copper-gold-silver salt mixture, Rat, Anti-inflammatory 235(1990)393

Activ. analysis; Waters; Gamma spectrometry; Extraction; Tributylphosphate, Prospecting, Solid extract 236(1990)483

Spectrophotometry; Extraction; Ores; Amidines; Methylene blue, Diphenylbenzamidine 237(1990)491

X-ray fluores. spectrometry; Geological samples; Extraction; Tributyl phosphate, Solid extractant 243(1991)81

At. abs. spectrometry; Flow system; Ores; Preconcentration; Amberlite XAD-8 resin 245(1991)7

Emission spectrom.; Geological materials; Plasmas; D.c. argon plasma 248(1991)569

Activ. analysis; Geological materials; Microwave sublimation; Ores; Helium-oxygen plasma 248(1991)579

Diffl. pulse voltammetry; Copper; Reactor moderator water; Silver; Mercury; Waters 249(1991)447

Gold electrode

Cyclic voltammetry; Ferrocenylalkanethiols; Alkanethiols; Mixed monolayer films 246(1991)233

Gold microband electrode

Voltammetry; Cyanide 248(1991)173

Gradient chamber

Kinetic analysis; Flow system; Model for unsegmented 220 (1989)23

Flow system; Potentiometry 226(1989)229

Flow system; Potentiometry; Acidity constant; Weak acid 226 (1989)239

Gradient mixing

Acidity; Rain water 243(1991)191

Gradients in immobilized urease

Potentiometry; Ammonium selective microelectrode 213 (1988)259

Grain

I.r. spectrometry; Outlier detection 223(1989)95

Gran plot

Potentiometry; Titrimetry 225(1989)205

Grapes

Polarography; H.p.l.c.; Sulphur residues; Wheat; Sampled d.c., Differential pulse 207(1988)305

Graph theory

Structure/property correlation; Molecular graph, Wiener equation 234(1990)487

Graphite

Harmonic force field; Methane 240(1990)135

Graphite electrodes

Scanning electron microscopy; Pyrolytic graphite, Glassy carbon, Activity 231(1990)191

Voltammetry; Phenols; Methoxyphenols; Polyvinylpyrrolidone coating, Anti-fouling 237(1990)141

Cyclic voltammetry; Diffl. pulse voltammetry; Diaminopurinol; Carbonyl sites 243(1991)33

Graphite furnace

At. abs. spectrometry; Electrotherm. atomization; Biological samples; Continuum source, Furnace atomic non-thermal excitation, Palladium and ruthenium modifiers 250(1991)71

Grass

Gas chromatography; At. abs. spectrometry; Alkyllead; Speciation; Tree leaves 228(1990)77

Grazing incidence

I.r. spectrometry; Polarization; Reflection-absorption; Organic thin films, Enhancement 240(1991)305

Guanine

Fluorimetry; Nucleotides, Nucleosides 207(1988)243

Guthion

Voltammetry; Cyclic voltammetry; Adsorptive stripping; Azinphos-methyl; Waters 238(1990)383

H

Haemodialysis water

Anod. stripping voltammetry; Copper 236(1990)449

Haemoglobin

Kinetic analysis; Spectrophotometry; Methaemoglobin; Whole blood 224(1989)351

Liquid chrom.; Electrophoresis; Isoelectric focusing; Peptides; Proteins; Anion-exchange, Red blood cells 249(1991)169

Electrophoresis; Isoelectric focusing; Thermally formed, stepped-ramp pH gradients, Hb variant separation 249(1991) 297

Hafnium

Spectrophotometry; Zirconium; Extraction; Dicyclohexyl-18-crown-6; Crown ether 245(1991)27

Hair

Emission spectrometry; Neutron activation; Copper isotope; Dietary copper; Direct-current argon plasma 225(1989)185

Polarography; Zinc; Lead; Copper; UV irradiation, Polarographic adsorptive complex waves 238(1990)367

Hair conditioners

Spectrophotometry; Extraction; Fabric conditioners; Quaternary ammonium salts; Tertiary alkylamines 219(1989)239

Halides

Voltammetry; Spinal fluid; Waters; Cathodic stripping 215 (1988)307

Flow system; Ion exchange; Potentiometry 219(1989)55

Halogenated hydrocarbons

Mass spectrometry; Kinetic analysis; Gas chromatography; Polynuclear aromatic hydrocarbons; Chemical ionization, Fourier transform ion cyclotron resonance 246(1990)199

Halogens

Raman spectrometry; Continuum resonance Raman scattering; Diatomic molecules; Unimolecular dissociation 240 (1990)119

Halomethylation

Mass spectrometry; Tandem, Ion trap 206(1988)239

Haptens

Chemiluminescence; Flow system; Immunoassay; Enzyme system; Thyroxine; Horseradish peroxidase, Luminol 237 (1990)285

Fluorimetry; Fibre-optic sensor; Immunosensors; $F_{(ab')}$ antibody fragments 246(1991)55

Harmonic force field

Graphite; Methane 240(1990)135

Headspace analysis

Gas chromatography; Correlation chromatography; Ethylene-propylene copolymer; Peak resolution 239(1990)317

Chromatography; Polyolefins; Correlation chromatography 248(1991)271

Headspace concentration

Gas chromatography; Pattern recognition; Liquor aromas; Gas sensor array; Semiconductor 243(1991)293

Heavy metals

Ion exchange; Electrotherm. atomization; At. abs. spectrometry; Seawater; Pre-concentration, Chelex-100, pH and salts 211(1988)257

Ion exchange; Electrotherm. atomization; At. abs. spectrometry; Seawater; Pre-concentration, Chelex-100, Optimization, Plate simulation method 211(1988)271

Anod. stripping voltammetry; Wine; Mercury microelectrodes, Differential-pulse 219(1989)9

Anod. stripping voltammetry; Rain; Seawater; Mercury microelectrodes, Differential-pulse 219(1989)19

At. abs. spectrometry; Extraction; Graphite furnace 232 (1990)301

Helium-3

Gas chromatography; Sea water; Sulphur hexafluoride; Tracers; Waters; Concentration mapping, Continuous underway analysis, Gas exchange 249(1991)555

Hepatitis B surface antigen

Fluorimetry; Immunoassay 205(1988)239

Herbicides

Gas chromatography; Mass spectrometry; Atrazine; Water; Ion-trap 228(1990)69

Gas chromatography; Aminomethylphosphonic acid; Glyphosate; Nitrogen-phosphorus detector 229(1990)277

Gas chromatography; Mass spectrometry; Extraction; Waters; Solid-phase extraction, Well water 236(1990)141

Flow system; Fluorimetry; Diquat 244(1991)99

Liquid chrom.; Atrazine; Humic acid; Fulvic acid; Laurentian, Ultrafiltration 244(1991)135

Heroin

Gas chromatography; Mass spectrometry; Isotope ratio; Geographical origin 247(1991)249

Heterogeneous equivalent formulation

Cyclic voltammetry; Kinetic analysis; Orthogonal collocation; Simulation; Fast second-order reactions 243(1991)301

Heterogeneous membrane electrodes

Flow system; Potentiometry; Cyanide; Gas diffusion 215 (1988)283

Heterogeneous sample materials

Flow system; Immobilized reagents; Review 214(1988)1

Hexacyanoferrate(II) electrodes

Potentiometry; Titrimetry; Solid-state 209(1988)345

Hexacyanoferrates

Kinetic analysis; Spectrophotometry; Ascorbic acid 224(1989) 211

Kinetic analysis; Cyclic voltammetry; Oscillating reaction; Mechanism, Silver plating solution, Photographic solution 236(1990)411

Hexahydrotrinitrotriazine

Fluorimetry; Waters; Nitro compounds; Explosives; Trinitrotoluene; Dinitrotoluene; In situ optical detection, Fluorescence quenching 237(1990)265

High-purity chemicals

Flow system; Spectrophotometry; Kinetic analysis; Manganese; Catalytic effect 217(1989)23

High-sensitivity flow injection

Flow system; Spectrophotometry; Biotechnology assays; Macromolecules 214(1988)87

Histamine

Mass spectrometry; Mifentidine 247(1991)151

Histidine

Voltammetry; Nickel; Speciation; Histidine complex, Aqueous ammonia 246(1991)301

Histone H2A (1-53)-NH₂

Mass spectrometry; Liquid chrom.; Electrophoresis; Ion exchange; Chromatography; Peptides; Synthesis, Purification, Characterization 249(1991)215

History of titrimetry

Titrimetry 206(1988)97

HNO emission

Emission spectrometry; Hydrogen flame 230(1990)151

Hollow fibres

Ion exchange; Amino acids; Peptides; Nafion membrane; Permeation 244(1991)21

Hollow-fibre membrane

Flow system; Air; Carbon disulphide 226(1989)171

Hollow-fibre reactor

Chemiluminescence; Flow system; Hydroxy bile acid; Serum; Bioluminescence 225(1989)273

Holmium

Ion exchange; Amidoxime; Chelating resin; Neodymium 221 (1989)325

Homovanillic acid

Fluorimetry; Kinetic analysis; Hydrogen peroxide; Glucose; Peroxidase-like catalysed oxidation; Manganese tetrakis-(sulphophenyl)porphyrin-catalysed oxidation 233(1990)299

Honey

Potentiometry; Dinitrophenolate electrode; Reducing sugars 218(1989)37

Mass spectrometry; Gas chromatography; Foods; Pentachlorophenol; Sep-Pak extraction 247(1991)121

Hopanes

Gas chromatography; Mass spectrometry; Biomarkers; Petroleum; Triterpanes; Crude oil 235(1990)375

Hormones

Mass spectrometry; Adipokinetic hormones; Peptides; Structure determination; *Locusta migratoria*, Fast atom bombardment, Tandem 248(1991)553

Horseradish peroxidase

Potentiometry; Flow system; Fluoride-selective electrode; Milk; Turnip extract 208(1988)173

HSA

Immunoassay; Voltammetry; Cyclic voltammetry; Anti-HSA; Immunosensors; Polymer-modified electrodes; Polypyrrole 249(1991)381

Human growth hormone

Liquid chrom.; Antibodies; Serum; Protein G affinity, Reversed phase, Antigen-antibody complexes 249(1991)185

Human olfactory function

Immunoassay; Candida albicans 217(1989)281

Humic acids

N.m.r. spectrometry; Soils; Sediments; Philippines 232(1990)31

Conductometry; Titrimetry; Polyelectrolytes 232(1990)141

Liquid chrom.; Atrazine; Fulvic acid; Herbicides; Laurentian, Ultrafiltration 244(1991)135

Ion exchange; Copper; Complexation; Peat, Functional groups, Sulphopropyl-Sephadex C-25 cation exchanger 244(1991)281

Anod. stripping voltammetry; Copper complexes; Fulvic acids; 1-(2-Pyridylazo)-2-naphthol, 8-Quinolinol 248(1991)95

Humic substances

Spectrophotometry; Iron; Waters 211(1988)293

Waters; Forests; Soils; Fractionation: XAD-8 hydrophobic resin 232(1990)3

Melanoidins; Isotope ratios; Maillard reaction, Elemental composition 232(1990)11

N.m.r. spectrometry; Mass spectrometry; Soils; Waters; Fulvic acids; Isotope ratios; Amino acid analysis 232(1990)19

Polarography; Voltammetry; Phytoplankton bloom; Surfaceactive substances 232(1990)131

Fulvic acids; Iron; Copper; Ultrafiltration; Metal-humate interactions 232(1990)171

Titrimetry; Ion binding; Intrinsic affinity distributions 232 (1990)189

Humidity correction algorithm

Opto-acoustic spectrom.; Adsorption isotherms; Gases; Surface acoustic wave sensors 248(1991)337

Hunt filter

Flow system; Impulse-response function 222(1989)151

Hybridoma cells

Immunoassay; Electrophoresis; Antibody expression; Enzyme-linked immunosorbent assay; Flow cytometry; Mono-

clonal antibodies; Homogeneous continuous perfusion culture systems 249(1991)257

Hydraulic model

Flow system; Mathematical model; Process analysis 229(1990) 183

Hydrazides

Diffl. pulse polarography; Isonicotinic acid hydrazide; Pharmaceuticals 206(1988)379

Hydrazine

Flow system; Potentiometry; Ammonia; pH; Power plant steam cycle 214(1988)367

Flow system; Spectrophotometry; Kinetic analysis; Phenylhydrazine; Diode-array 225(1989)115

Ammonia; Polypyrrole-based sensor; Air; Acrylic strips 239 (1990)257

Hydride generation

At. abs. spectrometry; Tellurium; Masking of interference 208(1988)347

Emission spectrometry; Molecular emission cavity analysis; Tin 209(1988)275

At. abs. spectrometry; Germanium; Meteorite 228(1990)139

At. abs. spectrometry; Lead; Soils; Alloys; Oxalic acid-ammonium cerium(III) nitrate-potassium tetrahydroborate medium 231(1990)151

At. abs. spectrometry; pH; Selenium; Selenium hydride stripping; Acid dissociation 232(1990)405

At. abs. spectrometry; Lead; Fish; Waters; Wine; Vegetable; Foods; Potassium dichromate 237(1990)181

At. abs. spectrometry; Antimony; Arsenic; Selenium; Sodium tetrahydroborate 237(1990)189

Spectrophotometry; Borate; Diborane; Boric acid 246(1991) 413

Hydrocarbon

Gas chromatography; Opto-acoustic spectroscopy; Mercury 226(1989)99

Hydrocarbon mixture

N.m.r. spectrometry; Principal components 223(1989)123

Hydrocarbon pyrolysis reactions

Middle-value iteration algorithm 210(1988)195

Hydrochloric acid

Mass spectrometry; Ionization processes; Diethanolamine; Fast atom bombardment, Aggregate ions 241(1990)227

Hydrocortisone

Spectrophotometry; Prednisolone; Tetrazolium salt 212(1988) 273

Flow system; Chemiluminescence; Steroids; Cortisone; Corticosterone; Progesterone; Testosterone; Sulphite oxidation, Potassium bromate 239(1990)195

Hydrogen

Gas chromatography; Pyrolysis, Solid samples 202(1987)251

Conductometry; Gas chromatography; Alkanes; Semiconductor gas sensors; Simplex optimization 216(1989)147

Mass spectrometry; Stainless steel; Spark source, Ion-source baking, Cryogenic pump 236(1990)351

Hydrogen bonding

I.r. spectrometry; Rhamnose derivatives 240(1991)311

Potentiometry; Titrimetry; Schiff bases; Half-neutralization potentials, Perchloric acid titration 249(1991)427

Hydrogen chloride

Potentiometry; Air; Diffusion/denuder tubes 202(1987)49

Air; Alumina sampling tubes 206(1988)289

Flow system; Amperometry; Potentiometry; Air; Chlorine; Gas detection; Continuous monitoring 248(1991)391

Hydrogen cyanide

Spectrophotometry; Impregnated bead detector; Sensor 222 (1989)63

Spectrophotometry; Air; Fibre-optic sensor; Automatic detection, Light-emitting diodes 246(1991)259

Hydrogen flame

Emission spectrometry; HNO emission 230(1990)151

Emission spectrometry; Chemiluminescence 226(1989)305

Hydrogen ion

Coulometry; Mercury; Thiol; Platinum anode, Acetic acidacetic anhydride 229(1990)221

Coulometry; Ester; Anodic oxidation, Propylene carbonate 229(1990)287

Amperometry; Flow system; Hydroxyl ion; Ion-selective electrodes; Plasticised PVC membrane electrode 243(1991)55

Hydrogen ion concentration

Voltammetry; Potentiometry; Carbon fibre electrodes 212 (1988)23

Hydrogen peroxide

Flow system; Spectrophotometry; Seawater; Reagent-injection 201(1987)83

Spectrophotometry 204(1988)349

Fluorimetry; Electroluminescence; Cathodic, Terbium(III)-doped oxide-covered tantalum electrode 208(1988)69

Spectrophotometry; Hydroperoxyl ion; Molar absorptivities 215(1988)325

Chemiluminescence; Stopped-flow technique; Luminol 217 (1989)239

Spectrophotometry; Extraction 218(1989)331

Chemiluminescence; Cetyltrimethylammonium bromide; Glucose oxidase; Luminol; Micelle; Sensor 221(1989)11

Spectrophotometry; Factorial design; Oxalic acid 223(1989)283

Fluorimetry; Kinetic analysis; Glucose; Homovanillic acid; Peroxidase-like catalysed oxidation; Manganese tetrakis-(sulphophenyl)porphyrin-catalysed oxidation 233(1990)299

Voltammetry; Immobilized, Grape tissue, Catalase, Oxygen sensor, Enzyme reactor 234(1990)453

Amperometry; Biosensor; Enzyme electrode; Human erythrocytes, Catalase activity 239(1990)19

Spectrophotometry; Titrimetry; Oxalate; Thallimetric photochemical oxidation 242(1991)229

Fluorimetry; Flow system; Photoinduced fluorogenic reactions; 4-Hydroxyphenylacetic acid 243(1991)207

Spectrophotometry; Enzyme reactions; Glucose; Leuco Patent Blue Violet, Peroxidase 243(1991)217

Amperometry; Enzyme electrodes; Organic solvents, Horseradish peroxidase 245(1991)133

Flow system; Amperometry; Air; Alcohols; Enzyme reactor; Gas detection; Sulphur dioxide; Continuous monitoring, Platinum electrode 248(1991)379

Hydrogen spillover

I.r. spectrometry; Diffuse reflectance; Glass-covered samples; Zeolite; Fourier transform, Water formation 240(1991)363

Hydrogen sulphide

Piezoelectric sensing 217(1989)187

Hydrogenation

Electron probe analysis; Nickel catalyst; Sulphur poisoning 226(1989)43

Hydrogenation apparatus

248(1991)615

Hydrogenation of acetylene

Computer program; Molecular orbital, Tetrahydroborate; Geometry optimization 210(1988)219

Hydrolysis

Fluorimetry; Methoxyquinoline; Photo-excitation; Ethanol 227(1989)165

I.r. spectrometry; Kinetic analysis; Bis(2,4-dinitrophenyl) oxalate; Decomposition products 247(1991)141

Hydrolysis of complex ion

Spectrophotometry; Coulometry; Spectrocoulometric study; Tris(1,10-phenanthroline)iron(III) 209(1988)87

Hydroperoxyl ion

Spectrophotometry; Hydrogen peroxide; Molar absorptivities 215(1988)325

Hydrophobic polymer

Potentiometry; pH; Potassium; Ion-sensitive field effect transistor 230(1990)67

Hydroquinone

H.p.l.c.; Amperometry; Metol; Photographic developer; Reversed-phase, Ion-pair 208(1988)337

Hydroxy bile acid

Chemiluminescence; Flow system; Hollow-fibre reactor; Serum; Bioluminescence 225(1989)273

Hydroxybenzaldehyde azine

Spectrophotometry; Kinetic analysis; Copper 229(1990)107

Hydroxybutyrate

Amperometry; Immobilized 3-hydroxybutyrate dehydrogenase 209(1988)223

Amperometry; Ketone body; Sensor; Dry-strip 221(1989)289

Amperometry; Blood; Plasma; Biosensor; Enzyme electrodes; Platinized carbon electrode, NADH 237(1990)99

Hydroxyl ion

Amperometry; Flow system; Hydrogen ion; Ion-selective electrodes; Plasticised PVC membrane electrode 243(1991)55

Hydroxyquinoline

Spectrophotometry; Extraction; Multicomponent analysis; Trace metals 226(1989)271

Hypochlorite

Chemiluminescence; Luminol; Water; Stopped-flow 228 (1990)123

Hypoxanthine

Polarography; Biosensor; Fish meat; Xanthine oxidase 221 (1989)215

Amperometry; Xanthine; Enzyme electrodes; Uric acid, Xanthine oxidase, Carbon paste 242(1991)267

Amperometry; Biosensors; Enzyme electrodes; Fish; Foods; Hydroxymethylferrocene electron-transfer mediator, Xanthine oxidase 244(1991)161

Hypoxanthine sensor

Potentiometry; Field-effect transistor; Uric acid; Amorphous silicon 215(1988)301

I

Ifosfamide

Gas chromatography; Mass spectrometry; Blood 247(1991)229

Ill-conditioned system calibration

Spectrophotometry; Rare earth elements; Chromogenic reagents; Calibration 234(1990)483

Iminodiacetate chelate resin

At. abs. spectrometry; Flow system; Metal ion; Microcolumn, On-line 221(1989)65

Immobilization

Mass spectrometry; Phospholipid; X-ray photoelectron spectroscopy; Time-of-flight, Secondary-ion 225(1989)369

Potentiometry; Biosensor; Coated-wire electrode 228(1990)159

I.r. spectrometry; Spectrophotometry; Chlorotriazine; Silica gel; Trihydroxyazobenzene; Diffuse-reflectance 228(1990)235

Potentiometry; Bacteria; Lysine; Lysine decarboxylase; Sensor; Calcium alginate 229(1990)197

Immobilized acid-base indicators

Spectrophotometry; Reflectance spectrometry; Diffuse 207 (1988)343

Immobilized reagents

Flow system; Heterogeneous sample materials; Review 214 (1988)1

Immune reactions

Fluorimetry; Fibre-optic sensor; Antigens, Antibodies, Evanescent wave detection, Skew rays 238(1990)317

Immunocomplex

Immunoassay; Amperometry; Enzyme; α -Fetoprotein; Biosensor 222(1989)235

Immunoglobulin G

Immunoassay; Kinetic analysis; α -Fetoprotein; Placental lactogen; Fluoride ion-selective electrode 224(1989)329

Flow system; Chemiluminescence; Immunoassay; Acridinium 227(1989)97

Immunoassay; Enzyme amplification; Human, Anti-human, Solid-phase, Enzyme cascade 232(1990)267

Flow system; Immunoassay; Monoclonal antibodies; Hybridoma cell fermentation 234(1990)83

Flow system; Affinity chromatography; Mouse IgG 245(1991)1

Immunoglobulins

Potentiometry; Enzyme immunomicrosensor; Ion-sensitive field-effect transistor 230(1990)189

Potentiometry; Antibody-based biosensors; Biosensors; Receptor-based biosensors; Serum 249(1991)67

Immunological field-effect transistor

Potentiometry; Protein; Donnan potential, Charge 238(1990) 323

Immunosensors

Fluorimetry; Fibre-optic sensor; Haptens; $F_{(ab')}$ antibody fragments 246(1991)55

Immunoassay; Voltammetry; Cyclic voltammetry; Anti-HSA; HSA; Polymer-modified electrodes; Polypyrrole 249(1991)381

Amperometry; Immunoassay; Biosensors; Enzyme electrodes; Fibre-optic sensors; Bioaffinity, Biocatalytic 250(1991)249

Impedance

Lipid; Odorant; Piezoelectric crystal 225(1989)399

Impregnated bead detector

Spectrophotometry; Hydrogen cyanide; Sensor 222(1989)63

Impulse-response function

Flow system; Spectrophotometry; Dispersion behaviour; Fourier algorithm 214(1988)77

Flow system; Hunt filter 222(1989)151

Flow system; Spectrophotometry; Potentiometry; Voltammetry; Detectors; Ion-sensitive field effect transistor 239 (1990)245

In situ

Fluorimetry; Reflectance spectrometry; Fibre optic; Poly(vinyl chloride); Sensor; Trinitrotoluene 221(1989)1

Indigodisulphonate

Chemiluminescence; Air; Ozone 230(1990)183

Indium

Flow system; At. abs. spectrometry; Extraction; Flame 201 (1987)325

Anod. stripping voltammetry; Cadmium; Extraction; Lead; Thallium; Diethyldithiocarbamates 208(1988)219

Phenylmethylstearoylpyrazolone; Preconcentration; Silica gel 230(1990)175

D.c. polarography; Cadmium; Polyethylene glycol monostearate 233(1990)325

At. abs. spectrometry; Flame, Graphite furnace, Hydride generation, Contaminants, Detection limits 234(1990)425

Indole

Fluorimetry; Lanthanide; Quenching 227(1989)181

Fluorimetry; Diethylaniline; Exciplex; Liposome; Pyrene 227 (1989)267

Indole-type auxins

Fluorimetry; Three-dimensional, Synchronous, Derivatization 205(1988)149

Indoleamines

Voltammetry; Biosensors; Catecholamines; Enzyme reactor; Ion-selective electrodes; Monoamine oxidase, Ammonia, Rat liver 249(1991)71

Indophenol blue

Spectrophotometry; Ammonium ion; Salicylate, Nitroprusside 221(1989)147

Inductive expert system

Mass spectrometry; Pattern recognition; Toxic compounds; SIMCA class modeling 211(1988)11

Inductively coupled

Mass spectrometry; Boron; Titanium; Plasmas; Reference material, Homogeneity 244(1991)115

Industrial analysis

Training 238(1990)239

Industrial analyzers

Installation, Operation, Data quality 238(1990)35

Infectious agent

Chemiluminescence; Genetic variant 227(1989)1

Information content of data

Regression evaluation of parameters; Algorithms, Weighting 237(1990)473

Injection device

Chromatography; Electrochemical concentration; Correlation chromatography 228(1990)209

Injection system

Liquid chrom.; Polynuclear aromatic hydrocarbons; Sample introduction, Correlation chromatography 228(1990)193

Inorganic anions

Ion exchange; Chromatography; Waters; Conductivity; Cu(II)-containing poly(3-methylthiophene) electrode, Single column 237(1990)317

Inorganic powders

I.r. spectrometry; Diffuse reflectance; Silica; Silicon carbide; Blocker device, Simulation technique 240(1990)229

Insects

Liquid chrom.; Solid-phase extraction; Sample preparation; Ecdysteroids; Hormones, Sep-Pak cartridge, Phenylboronic acid 236(1990)145

Gas chromatography; Sample preparation; Pheromones; Capillaries, Micro-reactor 236(1990)227

Insoluble systems

Flow system; Organized media; Micellar media; Thorium; Uranium; Rare earth elements; 1-(2-Pyridylazo)-2-naphthol, Arsenazo III 234(1990)239

Instrument maintenance

Process analysis 238(1990)45

Insulin

Immunoassay; Amperometry; Serum; Enzyme immunoelectrode 225(1989)283

Immunoassay; Fermentation; Genetic engineered human insulin, Downstream processing 249(1991)271

Interference removal

At. abs. spectrometry; Flow system; Calcium; Flame 214 (1988)339

Interferences

Flow system; Spectrophotometry; Calibration; Curvature correction, Gradient ratio calibration, Chloride, Phosphate 241 (1990)15

At. abs. spectrometry; Antimony; Transition metal ions; Hydride generation, Sodium tetrahydroborate 244(1991)129

Interferor

Mass spectrometry; Liquid chrom.; Recombinant protein; Fast atom bombardment 223(1989)361

Internal rotation

I.r. spectrometry; Disulphane; Rotational and torsional spectra, Millimetre and submillimetre, Isotopes 240(1991)263

Internal standard

Anod. stripping voltammetry; Cadmium; Copper; Lead; Waters; High-accuracy, Differential-pulse, Indium 215(1988)21

Intracellular enzyme activity

Flow system; Fluorimetry; Cell permeabilization; Formate dehydrogenase activity; Yeast cells; *Candida boidinii* 248(1991) 371

Intracerebral dialysis

Flow system; Fluorimetry; Lactic acid; Rat brains; Enzymatic 205(1988)53

Intrinsic affinity distributions

Titrimetry; Humic substances; Ion binding 232(1990)189

Iodate

Flow system; Fluorimetry; Spectrophotometry; Iodide; Cerium(IV) catalytic reduction, p-Aminophenol colour reaction 248(1991)219

Iodation

Karl Fischer reactions 239(1990)283

Iodide

Piezoelectric sensing; Waters 215(1988)79

Potentiometry; Ion-selective electrodes; Copper; Silver sulphide-based 231(1990)137

Flow system; Ion-selective electrodes; Dynamic response characteristics, Tubular solid-state 234(1990)57

Amperometry; Flow system; Pneumatoamperometric detetion, Oxidation, Permanganate auxiliary oxidant 247(1991)73

Potentiometry; Ion-selective electrodes; Poly(methyl-thiophene) conducting film; Graphite-coated electrode 248 (1991)163

Flow system; Fluorimetry; Spectrophotometry; Iodate; Cerium(IV) catalytic reduction, p-Aminophenol colour reaction 248(1991)219

Liquid chrom.; Electrochemical detection, Inorganic iodine 248(1991)595

Iodimetry

Titrimetry; Conductimetry/oscillometry; Piezoelectric detection; Thiosulphate, Thiocyanate, Ascorbic acid, Linear extrapolation 246(1991)425

Ion binding

Titrimetry; Humic substances; Intrinsic affinity distributions 232(1990)189

Ion cyclotron resonance

Mass spectrometry; Laser desorption ionization; Oligosaccharides; Neuramic acid acetal groups, Pyruvic acid acetal groups 241(1990)187

Ion extraction

Lithium; Monoazacrown ethers; Crown ethers 245(1991)235

Ion isolation

Mass spectrometry; Fourier transform ion cyclotron resonance, Notch excitation, Selective ion partitioning, Dual cell 246(1991)227

Ion microprobe

Mass spectrometry; Electron probe analysis; Review; Threedimensional analysis; Secondary-ion 216(1989)25

Ion mobility spectrometry

Digital filters; Vapour monitors; Bis-2-chloroethyl sulphide; Narrow-bandpass 232(1990)261

Air; Bromine 249(1991)503

Ion pairs

Titrimetry; Potentiometry; Diquat; Paraquat; Bisquaternary cation 226(1989)177

Computer-calculated extraction curves; Extraction; Extraction constants, Dissociation constants 248(1991)473

Computer-calculated extraction curves; Extraction; Extraction constants, Dissociation constants 248(1991)483

Ion sensor

Spectrophotometry; Potassium; Lipophilic anionic dye; *N*-2,4-Dinitro-6-octyloxyphenyl-2',4'-dinitro-6'-trifluoromethylphenylamine, Neutral ionophore, Dibenzo-18-crown-6, Valinomycin 237(1990)155

Ion-interaction chromatography

Chromatography; Ion exchange; Cyanides; Metallo-cyanides; Preconcentration 250(1991)21

Ion-pair extraction

Flow system; Kinetic analysis; Ferroin 224(1989)169

Ion-selective electrode mechanisms

Potentiometry 216(1989)163

Ion-selective electrodes

Potentiometry; Review 206(1988)1

Potentiometry; Potassium; Blood; Serum; Silicon rubber tubular electrode, Valinomycin-treated 231(1990)125

Potentiometry; Copper; Iodide; Silver sulphide-based 231 (1990)137

Review; Body fluids 233(1990)1

Neural network software; Array signal processing 233(1990)31

Potentiometry; Trifluoroacetophenones; Anion selectivity; Neutral ionophores, Solvent-polymeric membranes 233(1990) 41

Ion-sensitive field effect transistor; Fibre-optic sensor; Ionophores; Sodium; Blood; Serum; Lipophilic, 1,2-Phenylenedioxydiacetamides 233(1990)295

Cyanide; Standard potential, Silver iodide, Silver sulphide 233(1990)329

Flow system; Dynamic response characteristics, Theory 234 (1990)49

Flow system; Iodide; Dynamic response characteristics, Tubular solid-state 234(1990)57

Flow system; Spectrophotometry; Amperometry; Potentiometry; Power plants; Process analysis; Water-steam cycles; pH; Control parameters 234(1990)167

Potentiometry; Verapamil; Membrane electrodes; Ion pair, Reineckate, Dibutyl phthalate plasticizer, Poly(vinyl chloride) 235(1990)461

Potentiometry; Magnesium; Serum; Automated, Ionized 236 (1990)331

Potentiometry; Ammonia; Nitrogen; Differential, Membrane, Gas-sensing 237(1990)115

Potentiometry; Phosphate glasses; Silver chloride; Alkali metal-free, Anion-selective, Ion chromatography, Electron probe microanalysis 237(1990)135

Potentiometry; Fluoride; Waters; Complementary metal oxide semiconductor device, Automated monitor, Battery operated 237(1990)345

Amperometry; Kinetic analysis; Oxygen; Membrane electrodes, Transient response 237(1990)413

Potentiometry; Alkali metals; Alkaline earth metals; Polyacrylamide membrane, Acyclic poly(oxyethylene)neutral carriers, Thermodynamics 238(1990)351

Potentiometry; Membrane electrodes; Pharmaceuticals; Pancuronium; Tubocurarine; Gallamine; Succinylcholine; Muscle relaxants 238(1990)405

Potentiometry; Prussian blue; Potassium; Thin films, Membranes 239(1990)7

Chromatography; Flow system; Ion exchange; Potentiometry; Calcium 242(1991)65

Cyanide; Silver chalcogenide membranes; Electroplated membranes 242(1991)73

Amperometry; Flow system; Hydrogen ion; Hydroxyl ion; Plasticised PVC membrane electrode 243(1991)55

Photolithographic patterning; Membrane electrodes; Nitrate; Acrylate-based 243(1991)179

Potentiometry; Potassium; Glassy carbon, Cobalt(II)-hexacyanoferrate(III) film 244(1991)39

Potentiometry; Ammonia; Air 244(1991)179

Potentiometry; Iodide; Poly(methylthiophene) conducting film; Graphite-coated electrode 248(1991)163

Potentiometry; Water hardness; Neutral carrier 248(1991)177

Potentiometry; Chloride; Nitrate; Waters; Remote analysis station, Coated-wire 248(1991)285

Potentiometry; Polarography; Cadmium; Coated-wire electrodes; Neutral carrier, 4,4'-di(5-nonyl)-2,2'-bipyridine, Selectivity coefficients 248(1991)315

Voltammetry; Biosensors; Catecholamines; Enzyme reactor; Indoleamines; Monoamine oxidase, Ammonia, Rat liver 249 (1991)71

Ion-selective field effect transistors

Coulometry; Titrimetry; Migration effect; Modelling, Sensor-actuator, Diffusion, Simulation, Nernst-Planck equations 237(1990)71

I.r. spectrometry; Langmuir-Blodgett films; Phospholipid; Valinomycin; Fourier transform; Potassium; Structural characterization, Micro-ATR 240(1990)29

Flow system; Flow cells; Wall jet cell, Flow-through cell, ISFET, CHEMFET 248(1991)307

Ion-sensitive field effect transistors

Potassium; Membrane materials; Silicone rubber; Polymers 231(1990)41

Flow system; pH; Ammonium; Waters; Flow-through 231 (1990)53

Micro-enzyme sensor; Urease; Covalent bonding 231(1990)305

Enzyme reactor; pH-static enzyme sensor; Enzymatic membrane 233(1990)49

Ion-selective electrodes; Fibre-optic sensor; Ionophores; Sodium; Blood; Serum; Lipophilic, 1,2-Phenylenedioxydiacetamides 233(1990)295

Flow system; Spectrophotometry; Potentiometry; Voltammetry; Detectors; Impulse-response functions 239(1990)245

Flow system; Voltammetry; Potassium; Serum; Urine; Wall-jet cell, Silicone-rubber membrane 245(1991)159

Ionization constant

Gauss-Newton method; Polyprotic acid 222(1989)359

Ionization processes

Mass spectrometry; Hydrochloric acid; Diethanolamine; Fast atom bombardment, Aggregate ions 241(1990)227

Ionophores

Ion-selective electrodes; Ion-sensitive field effect transistor; Fibre-optic sensor; Sodium; Blood; Serum; Lipophilic, 1,2-Phenylenedioxydiacetamides 233(1990)295

Cyclic voltammetry; Monensin; Lasalocid; Antibiotics; Gel/electrolyte interface, charge transfer 244(1991)15

Iridium

Microscopy; Voltammetry; Mercury film electrode 221(1989) 305

At. abs. spectrometry; Rhodium; Ruthenium; Platinum; Matrix extraction, Graphite furnace 236(1990)385

Extraction; Rhodium; 4-(Non-5-yl)pyridine 242(1991)191

Rhodium; Chelating resin; Poly(vinyldiethylenetriamine) 245 (1991)13

Iridium microelectrode

Voltammetry; Cadmium; Lead; Trace metals; Waters; Mercury-plated iridium disc, Square-wave stripping voltammetry 249(1991)419

Iron

Spectrophotometry; Humic substances; Waters 211(1988)293

Spectrophotometry; Flow system; Nickel; Doublet peaks 214 (1988)197

Diffl. pulse voltammetry; Anaerobic adhesive; Copper; Glassy carbon electrode 217(1989)335

At. abs. spectrometry; Electrotherm. atomization; Cobalt; Nickel; Molybdenum tube 217(1989)377

Spectrophotometry; Extraction; Molten biphenyl/naphthalene 219(1989)171

Spectrophotometry; Flow system; Waters; Wine; Integrated retention 219(1989)231

Flow system; Spectrophotometry; Waters; Sandwich techniques 219(1989)345

Liquid chrom.; Phenanthroline; Sulphosalicylate 224(1989)65

Spectrophotometry; Kinetic analysis; Micelle; Pyrocatechol violet complex 226(1989)137

Bentonite clay; Galacturonic acid 226(1989)315

Colloid; Copper; River water 227(1989)421

Flow system; Kinetic analysis; Spectrophotometry; Leucomalachite green; Peroxodisulphate 230(1990)113

Fulvic acids; Humic substances; Copper; Ultrafiltration; Metal-humate interactions 232(1990)171

Liquid chrom.; Amperometry; Spectrophotometry; Copper; Waters; Biological materials; Extraction; Cupferron derivatization 235(1990)279

At. abs. spectrometry; Flame; Nickel; Cobalt; Molybdenum; Catalysts; Petroleum; Microwave oven digestion, Slurry 235 (1990)405

Chromatography; Chemiluminescence; Flow system; Cobalt; Copper; Ion chromatography, Cation-exchange column 236 (1990)287

Spectrophotometry; Continuous addition of reagent technique; Differential reaction-rate methods; Copper; Serum; Pyridoxal thiosemicarbazone, Complex formation 239(1990) 221

Diffl. pulse voltammetry; Waters; Aluminium; Carbon paste electrodes; Preconcentration; Nafion modifier, 1,10-Phenanthroline modified 241(1990)137

Flow system; Solid samples; Sample introduction; Ultrasonic irradiation; Plant materials; Direct introduction, Leaching 242(1991)283

Spectrophotometry; Thermal lens; Semiconductor laser; 2-Nitroso-5-diethylaminophenol 243(1991)109

Coulometry; Titrimetry; Silver; Steel; Hydrogen sulphide 244 (1991)59

Potentiometry; Foods; Derivative adsorption, 2-(5'-Bromo-2'-pyridylazo)-5-dimethylaminophenol 245(1991)77

Titrimetry; Conductimetry/oscillometry; Piezoelectric detection; Dichromate, Permanganate, Redox 246(1991)421

Spectrophotometry; Sea water; Waters; Ferrozine, Sep-Pak cartridge 247(1991)125

Iron chelate

Chemiluminescence; Luminol; Xanthine oxidase 227(1989)57

Iron complex

Kinetic analysis; Spectrophotometry; Acetaminophen; Serum, Pharmaceutical preparation 224(1989)339

Iron electrodes

Raman spectrometry; Laser; Microprobe spectroscopy 240 (1990)87

Iron pyrite

Voltammetry; Sulphide minerals; Cationic surfactants 207 (1988)311

Iron speciation

Polarography; EDTA complexes 212(1988)335

Iron(II) complexes

Spectrophotometry; I.r. spectrometry; Mass spectrometry; Ethanedial; Glyoxal; Aminophenanthroline; Carbon paste electrodes; Redox mediators 242(1991)233

Cyclic voltammetry; Amperometry; Ethanedial; Glyoxal; Carbon paste electrodes; Redox mediators 242(1991)241

Isoalkanes

Gas chromatography; H.p.l.c.; Retention indices; General model 201(1987)217

Isocitric acid

Gas chromatography; Malic acid; Citric acid; Fruit juice; Lemon juice; Adulteration, Acyl esters 239(1990)165

Isoelectric focusing

Liquid chrom.; Electrophoresis; Haemoglobin; Peptides; Proteins; Anion-exchange, Red blood cells 249(1991)169

Electrophoresis; Haemoglobin; Thermally formed, steppedramp pH gradients, Hb variant separation 249(1991)297

Isoleucine

Flow system; Fluorimetry; Enzyme reactor; Leucine; Valine; Immobilized leucine dehydrogenase 218(1989)161

Isomer distinction

Mass spectrometry; Pentadienes; Quadrupole ion trap 215 (1988)223

Isoniazid

Spectrophotometry; T.l.c.; Pharmaceuticals; Second-derivative, Scraped-spot 201(1987)357

Isonicotinic acid hydrazide

Diffl. pulse polarography; Hydrazides; Pharmaceuticals 206 (1988)379

Isoquinolines

N.m.r. spectrometry; Computer-assisted spectral simulation; Quinolines; Models, Library searches, Multiple linear regression 248(1991)183

Isotachophoresis automation

Conductometry; Data management 219(1989)247

Isotope distribution

Mass spectrometry; Algorithm 247(1991)107

Isotope ratios

Gas chromatography; Mass spectrometry; Metal chelates 224 (1989)83

Humic substances; Melanoidins; Maillard reaction, Elemental composition 232(1990)11

N.m.r. spectrometry; Mass spectrometry; Humic substances; Soils; Waters; Fulvic acids; Amino acid analysis 232(1990)19

Gas chromatography; Mass spectrometry; Heroin; Geographical origin 247(1991)249

Isotope systematics

Mass spectrometry; Isotope dilut. analysis; Lead; Pineapple; Foods; Soldered cans, Welded cans, Clean laboratory 235 (1990)367

Isotopes

Mass spectrometry; Trace metals; Clinical analysis; Fast atom bombardment, Monohydride formation 241(1990)249

Isotopic ratios

Extraction; Boron; Rocks; Alkali fusion, Methyl borate distillation, Isotope dilution 231(1990)147

Ivory identification

Liquid chrom.; Amino acids; Chiral derivatization; Carbodiimides; 2-N-benzyloxycarbonylamino acids, N,N'-Bis[(S)-1phenylethyl]carbodiimide 239(1990)297

J

Jet mixing

Laser Doppler anemometry; Process analysis; Mixers; Petroleum pipelines; Waters; Crude oil 238(1990)251

K

Kalman filter

H.p.l.c.; Resolution 201(1987)185

H.p.l.c.; Resolution 202(1987)187

H.p.l.c.; Robot system; Solid dosage formulations; One-dimensional 209(1988)45

H.p.l.c.; Peak resolution 212(1988)81

Regression algorithms; Robust, Least-median, Linear calibration, Least-squares 215(1988)131

Liquid chrom.; Antipyretic; Function of mutual information; Mobile phase 222(1989)313

Voltammetry; Cyclic voltammetry 223(1989)193

Kinetic analysis; Marquardt algorithm 224(1989)243

Kinetic analysis; Amino acid; Trinitrobenzenesulphonic acid 224(1989)263

Spectrophotometry; Matrix effect; Simplex optimization 225 (1989)37

Liquid chrom.; Resolution 225(1989)53

Spectrophotometry; Acidity constants; Multicomponent analysis; Noise removal; Method comparison 239(1990)95

Lanthanide complexation; Erbium; Polyimide film; Circular dichroism spectroscopy; Factor analysis 246(1991)1

Sulfur valence states; Peak resolution 248(1991)257

Liquid chrom.; Calibration; Factor analysis; Multi-wavelength detection; Rank annihilation 250(1991)37

Karl Fischer reactions

Iodation 239(1990)283

Kefir culture

Flow system; Lactic acid; Fibre-optic sensor; Biosensor; Dairy fermentation; Immobilized lactate oxidase 234(1990)107

Keto acids

Chemiluminescence; Liquid chrom.; Diaminophthalhydrazide; Hydrogen peroxide 231(1990)1

Ketone body

Amperometry; Hydroxybutyrate; Sensor; Dry-strip 221(1989) 289

Ketones

H.p.l.c.; Amperometry; Aldehydes; Photoelectrochemical detector; Mechanism, Alkyl, Aryl 215(1988)45

Kinetics

Spectrophotometry; Acidity; Molybdate; Phosphoantimonyl-molybdenum blue 229(1990)115

Voltammetry; Computer; Cadmium-EDTA 248(1991)77

Kinetics of analytical bioreactor

Flow system; Fluorimetry 213(1988)245

Knowledge base

I.r. spectrometry; N.m.r. spectrometry; Numerical data; Acquisition, Dissemination, Retrieval 210(1988)81

Knowledge-base architecture

Organic synthesis design; Symbolic processing, Numeric processing 235(1990)135

Knowledge-based system

Potentiometry; Chronopotentiometry; Elucidation of electrode reaction mechanisms 211(1988)61

I.r. spectrometry; Computer-assisted interpretation of spectra; Descriptive, Interactive 217(1989)203

I.r. spectrometry; Condensed-phase 227(1989)343

I.r. spectrometry; Condensed-phase 227(1989)359

Polarography; Electrochemical mechanisms; Sampled d.c., Tast, Automatic 231(1990)59

I.r. spectrometry; Review; Automated spectral interpretation; Structure determination; Computer-assisted interpretation of spectra; Library search, Pattern recognition 240(1990)3

L

Labile metal fraction

Anod. stripping voltammetry; Copper; Fulvic acid equilibria; Lead; Sampled-d.c. 211(1988)141

Lability

Anod. stripping voltammetry; Mercury; Metal complex; Mercury film electrode 228(1990)327

Laboratory information management system

Computer 223(1989)205

Laboratory management

Digital simulation; Expert system 222(1989)1

Lactate

Amperometry; Enzyme electrodes; Mathematical treatment 201(1987)305

Flow system; Fluorimetry; Blood; Enzyme reactor; Immobilized 201(1987)351

Flow system; Amperometry; Enzyme electrode; Enzyme reactor 213(1988)91

Flow system; Amperometry; Cell cultivation; Enzyme cartridge; Glucose 225(1989)253

Amperometry; Enzyme electrode; Lactate dehydrogenase, Diaphorase, NADH, Hexacyanoferrate(II) 231(1990)309

Amperometry; Enzyme electrode; Tetrathiafulvalene mediator; Carbon foil, Lactate oxidase 234(1990)459

Amperometry; Enzyme electrodes; Pyruvate; Cholesterol; Uric acid; Oxidase-peroxidase bilayer-modified, Hydrogen peroxide 242(1991)85

Amperometry; Enzyme electrodes; Gamma irradiation; Poly(vinyl alcohol); Lactate oxidase, Platinized graphite, Hydrogen peroxide 243(1991)23

Potentiometry; Enzyme electrodes; Flavocytochrome b_2 ; Reagentless, Electrocatalytic oxidation 243(1991)167

Amperometry; Enzyme electrodes; Malate; Wines; Malate dehydrogenase, NADH oxidase 245(1991)145

Amperometry; Enzyme electrodes; Saliva; Lactate oxidase, Hydrogen peroxide 245(1991)151

Spectrophotometry; Chemiluminescence; Flow system; Biomass; Fermentation; Glucose; Lactic acid; Gradient dilution, Hydrogen peroxide 247(1991)45

Lactate dehydrogenase

Kinetic analysis; Flow system; Serum; Multi-detection, Cyclic system 219(1989)191

Lactic acid

Flow system; Fluorimetry; Intracerebral dialysis; Rat brains; Enzymatic 205(1988)53

Amperometry; Flow system; Glucose; Plasma; Computer-controlled 209(1988)231

Flow system; Fibre-optic sensor; Biosensor; Dairy fermentation; Kefir culture; Immobilized lactate oxidase 234(1990)107

Flow system; Sugars; Protein; Biomass; Fermentation; Enzyme reactor; On-line 237(1990)165

Flow system; Spectrophotometry; Enzyme reactor; Glucose; Serum; Sequential determination, Diode-array, Controlled-pore glass, Co-immobilization 238(1990)411

Spectrophotometry; Chemiluminescence; Flow system; Biomass; Fermentation; Glucose; Lactate; Gradient dilution, Hydrogen peroxide 247(1991)45

Lactic acid fermentations

Spectrophotometry; Flow system; Chemiluminescence; In-line monitoring 214(1988)137

Lactose

Potentiometry; Kinetic analysis; Sucrose; Periodate-selective electrode 224(1989)159

Amperometry; Amylase; Carbohydrate; Oligosaccharide dehydrogenase; Enzyme electrode 230(1990)75

Lake water

Voltammetry; Trace elements; Waters; Sea water; In situ measurements, Copper, Lead, Cadmium, Zinc 237(1990)429

Laminar dispersion

Flow system; Mathematical modelling; Parallel plate laminar flow; Convective-diffusion equation, Peclet number, Concentration distribution 247(1991)51

Laminar flow model

Flow system; Dialysis 224(1989)13

Langmuir-Blodgett films

Fluorimetry; Potentiometry; Calcium-selective optrode 217 (1989)1

I.r. spectrometry; Phospholipid; Valinomycin; Fourier transform; ISFET; Potassium; Structural characterization, Micro-ATR 240(1990)29

I.r. spectrometry; Fourier transform; Polyimide films; Silicon electronic devices; Attenuated total reflectance 240(1990)81

Kinetic analysis; Film balance; Process analysis; Proteins; Air/water interface, Multi-compartment trough, β -Lactoglobulin 249(1991)241

Lanthanide

Fluorimetry; Indole; Quenching 227(1989)181

Bis(trimethylpentyl)phosphinic acid; Extraction 227(1989)397

Lanthanide complexation

Potentiometry; Titrimetry; trans-1,3-Cyclopentanediaminotetraacetic acid 220(1989)187

Erbium; Polyimide film; Circular dichroism spectroscopy; Factor analysis; Kalman filter 246(1991)1

Lanthanide ions

Fluorimetry; Laser-induced, Time-resolved 220(1989)235

Lanthanum

Spectrophotometry; Flow system; Calcium 222(1989)205

Lanthanum polyalkoxylate complex

Potentiometry; Plasticizer; Poly(vinyl chloride) 223(1989)449

Large-bore systems

Flow system; Spectrophotometry 214(1988)391

Lasalocid

Cyclic voltammetry; Ionophores; Monensin; Antibiotics; Gel/electrolyte interface, charge transfer 244(1991)15

Laser

Fluorimetry; Immunoassay; Estrogen 227(1989)129

Raman spectrometry; Iron electrodes; Microprobe spectroscopy 240(1990)87

Laser ablation

Mass spectrometry; Plasma; Rocks; Minerals; Geological materials; Inductively coupled 235(1990)381

Laser desorption

Mass spectrometry; Collision-induced dissociation; Ethylguanine isomers; Fourier transform 247(1991)235

Mass spectrometry; Elemental analysis; Plasmas; Inductively coupled, Time-of-flight 250(1991)61

Laser desorption ionization

Mass spectrometry; Ion cyclotron resonance; Oligosaccharides; Neuramic acid acetal groups, Pyruvic acid acetal groups 241(1990)187

Laser Doppler anemometry

Process analysis; Mixers; Jet mixing; Petroleum pipelines; Waters; Crude oil 238(1990)251

Lasers, tunable diode

Spectrophotometry; Simplex optimization; Nitrogen oxides; Sweep averaging 241(1990)83

Spectrophotometry; Nitric acid; Air; Temperature sweep tuning 241(1990)95

Latent-variable model

Data transformation; Model building; Marker approach 223 (1989)53

Leach liquors

X-ray fluores. spectrometry; Ion exchange; Coal ash 220 (1989)217

Lead

Anod. stripping voltammetry; Cadmium; Cobalt; Copper; Nickel; Waters; Differential-pulse 204(1988)179

Anod. stripping voltammetry; Cadmium; Extraction; Indium; Thallium; Diethyldithiocarbamates 208(1988)219

Potentiometry; Flow system; Cadmium; Nafion-modified carbon fibre electrodes; Urine; Zinc; Computerized flow, Stripping 207(1988)17

Flow system; Potentiometry; Blood; Computerized stripping 209(1988)339

Anod. stripping voltammetry; Copper; Fulvic acid equilibria; Labile metal fraction; Sampled-d.c. 211(1988)141

Cyclic voltammetry; Chronoamperometry; Carbon fibre electrodes 212(1988)331

Anod. stripping voltammetry; Cadmium; Copper; Internal standard; Waters; High-accuracy, Differential-pulse, Indium 215(1988)21

Electrotherm. atomization; At. abs. spectrometry; Copper; Environmental samples; Extraction 218(1989)173

Anod. stripping voltammetry; Cadmium; Square-wave, Mercury-plated reticulated vitreous carbon electrode 219(1989)153

At. abs. spectrometry; Hydride generation; Nitroso-R salt 221(1989)85

Anod. stripping voltammetry; Copper; Potentiometric stripping analysis 222(1989)263

Polarography; Cadmium; Stability constant; Oxalate, Sulphate 223(1989)429

Activ. analysis; Preconcentration; Graphite furnace, Biological matrix 224(1989)139

Polarography; Ethanediamine; Thallium, Cadmium, Hydroxyl ion 226(1989)351

Potentiometry; Liquid-liquid interface; Neutral carrier 228 (1990)241

Voltammetry; Paint; Electro-oxidation, Surfactant 229(1990) 291

Flow system; Spectrophotometry; Crown ether; Extraction; Preconcentration 230(1990)157

Anod. stripping voltammetry; Diffl. pulse voltammetry; Ion exchange; Copper 231(1990)133

At. abs. spectrometry; Hydride generation; Soils; Alloys; Oxalic acid-ammonium cerium(III) nitrate-potassium tetrahydroborate medium 231(1990)151

At. abs. spectrometry; Cadmium; Mineral acids 233(1990)165

Anod. stripping voltammetry; Diffl. pulse voltammetry; Cadmium; Mercury-poly(4-vinylpyridine) coating, Glassy carbon electrode 234(1990)479

Mass spectrometry; Isotope dilut. analysis; Pineapple; Foods; Isotope systematics; Soldered cans, Welded cans, Clean laboratory 235(1990)367

At. abs. spectrometry; Waters; Environmental samples; Cadmium; Copper; Zinc; Evaporation; Preconcentration; Snow, Ice, Contamination 236(1990)391

Anod. stripping voltammetry; Voltammetry; Electrochemical cell; Cadmium; Epinephrine; Cylindrical graphite fibre microelectrode, Square-wave 237(1990)127

Diffl. pulse voltammetry; Anod. stripping voltammetry; Urine; Fumed silica 237(1990)177

At. abs. spectrometry; Hydride generation; Fish; Waters; Wine; Vegetable; Foods; Potassium dichromate 237(1990)181

Anod. stripping voltammetry; Diffl. pulse voltammetry; Mercury electrodes; Polymer modified electrodes; Copper; Cadmium 238(1990)345

Polarography; Hair; Zinc; Copper; UV irradiation, Polarographic adsorptive complex waves 238(1990)367

At. abs. spectrometry; Air; Manganese; Mercury; Electrostatic precipitation 245(1991)203

Anod. stripping voltammetry; Copper-mercury film electrode 246(1991)309

At. abs. spectrometry; Fish; Foods 246(1991)375

Voltammetry; Cadmium; Iridium microelectrode; Trace metals; Waters; Mercury-plated iridium disc, Square-wave stripping voltammetry 249(1991)419

Anod. stripping voltammetry; Cadmium; Cylindrical graphite fibre microelectrodes, In situ plated mercury films, Squarewave 249(1991)433

Lead dioxide

Amperometry; Dimethyl sulphoxide; DMSO; Electrocatalysis; Bismuth-doped lead dioxide thin films 248(1991)85

Lead preconcentration

Flow system; At. abs. spectrometry; Waters; Flame 214(1988) 329

Lead-bearing samples

Gravimetry; Silica; Errors 219(1989)177

Leaf gland secretions

Mass spectrometry; *Tagetes*; Thiophenes; Tandem 232(1990)

Least-squares evaluation

Potentiometry; Linearized equations; Metal/ligand equilibrium 220(1989)145

Lectin

Fluorimetry; Umbelliferyl sugars; Quenching 220(1989)225

Lemon juice

Gas chromatography; Isocitric acid; Malic acid; Citric acid; Fruit juice; Adulteration, Acyl esters 239(1990)165

Leucine

Flow system; Fluorimetry; Enzyme reactor; Isoleucine; Valine; Immobilized leucine dehydrogenase 218(1989)161

Leucomalachite green

Flow system; Kinetic analysis; Spectrophotometry; Iron; Peroxodisulphate 230(1990)113

Library search systems

General theory of similarity measures 206(1988)161

Light scattering

Liquid chrom.; Gel perm. chromatogr.; Molecular size; Proteins; Egg white, Hepatitis B surface antigen, Macromolecular interaction 249(1991)227

Lignin

Spectrophotometry; Turbidimetry; Protein; Wood 235(1990) 299

Lindane

Fluorimetry; Biomembranes; Quenching 205(1988)61

Linear discriminant analysis

Pattern recognition; Outlier detection, Hawkins' method 239 (1990)229

Linearized equations

Potentiometry; Least-squares evaluation; Metal/ligand equilibrium 220(1989)145

Lipid membrane

Fluorimetry; Enzyme reaction; Transduction; Fluorescence microscopy; Nitrobenzoxadiazolephosphatidylethanolamine fluorophore, Acetylcholinesterase, Acetylcholine substrate 237(1990)253

Lipid monolayers

Direct reflection ellipsometry 202(1987)215

Lipids

Flow system; Amperometry; Ion exchange; Acetylcholine; Choline; Enzyme reactor 214(1988)173

Impedance; Odorant; Piezoelectric crystal 225(1989)399

Gas chromatography; Extraction; Fats; Oils; Pesticides; Organophosphorus pesticides; Solid-phase extraction cartridges 245(1991)259

Mass spectrometry; Soft ionization techniques; Serratia marcescens 247(1991)283

Lipophilic anionic dye

Spectrophotometry; Potassium; Ion sensor; N-2,4-Dinitro-6-octyloxyphenyl-2',4'-dinitro-6'-trifluoromethylphenylamine, Neutral ionophore, Dibenzo-18-crown-6, Valinomycin 237 (1990)155

Liposome

Fluorimetry; Diethylaniline; Exciplex; Indole; Pyrene 227 (1989)267

Liquid crystals

I.r. spectrometry; Attenuated total reflection; Nematic, 5CB, Modulation, Electric field response 240(1991)371

Liquid ionization

Mass spectrometry; Biological samples; Sweat; Diethylene glycol, Exercise 246(1991)405

Liquid junction

Potentiometry; pH 223(1989)441

Liquid membrane electrodes

Potentiometry; Perchlorate; Ion-pair complexes 231(1990)69

Liquid scintillation counting

Liquid chrom.; Flow system; Extraction; Amino acids; Reversed-phase, Phenylthiohydantoin derivatives 233(1990)181

Liquid surfactant membranes

At. abs. spectrometry; Cobalt; Preconcentration; Extraction; Graphite furnace, Liquid-liquid 232(1990)389

Liquid-liquid extraction

Liquid-membrane technique; Copper, 1-Phenyl-3-methyl-4-stearoylpyrazol-5-one 245(1991)243

Liquid-liquid interface

Potentiometry; Lead; Neutral carrier 228(1990)241

Liquid-membrane technique

Liquid-liquid extraction; Copper, 1-Phenyl-3-methyl-4-stearoylpyrazol-5-one 245(1991)243

Liquid-propulsion system

Potentiometry; Titrimetry 222(1989)379

Liquor aromas

Gas chromatography; Pattern recognition; Headspace concentration; Gas sensor array; Semiconductor 243(1991)293

Lithium

Fluorimetry; Extraction; 14-Crown-4-derivative 203(1987)85

Extraction; Sodium; Synergic 220(1989)111

Mass spectrometry; Plasmas; Biological samples; Serum; Foods; Inductively coupled, Standard Reference Materials 244(1991)259

Ion extraction; Monoazacrown ethers; Crown ethers 245 (1991)235

Liver function

Pattern recognition; Biochemical assays 202(1987)175

Loprazolam

Chemiluminescence; Benzodiazepine 227(1989)65

Low-resolution mass spectra

Gas chromatography; Mass spectrometry; Pattern recognition; Expert system; Volatile organic compounds; MAXMASS 246 (1991)391

Lubricating oils

Fluorimetry; Waters; Zinc 202(1987)207

Flow system; Emission spectrometry; Gasoline; Flame 234 (1990)439

Luminarine

Liquid chrom.; Chemiluminescence; Amine; Aminocoumarin; Peroxyoxalate 223(1989)309

Luminol

Chemiluminescence; Cetyltrimethylammonium bromide; Glucose oxidase; Hydrogen peroxide; Micelle; Sensor 221(1989)11

Chemiluminescence; Amino acid; Enzymatic assay; Glucose; Micelle 225(1989)147

Chemiluminescence; Cytochrome; Microsomal protein; Isoenzyme 227(1989)49

Chemiluminescence; Iron chelate; Xanthine oxidase 227 (1989)57

Chemiluminescence; Hypochlorite; Water; Stopped-flow 228 (1990)123

Chemiluminescence; Carboxylic acids; Peroxyoxalate; Polyaromatic hydrocarbons 250(1991)145

Lutetium

Extraction; Phenylmethylaroylpyrazolones; Steric effect, *Ortho* substituents, Trioctylphosphine oxide 239(1990)277

Lysine

Titrimetry; Basicity; Proteins; Nonaqueous 202(1987)159

Potentiometry; Bacteria; Immobilization; Lysine decarboxylase; Sensor; Calcium alginate 229(1990)197

Flow system; Spectrophotometry; Amino acids; Enzyme reactor 235(1990)329

Lysine decarboxylase

Potentiometry; Bacteria; Immobilization; Lysine; Sensor; Calcium alginate 229(1990)197

Lysozyme activity

Fluorimetry; Bacterial peptidoglycan degradation; Enzymatic synthesis 205(1988)89

Viscometry 219(1989)123

M

Macromolecules

Flow system; Spectrophotometry; Biotechnology assays; High-sensitivity flow injection 214(1988)87

Mass spectrometry; Biological samples; Tandem sector mass spectrometers; Fourier transform 250(1991)105

Macroporous resin

Chromium; Preconcentration; Quinolinol; Sea water 224 (1989)55

Magnesium

H.p.l.c.; Spectrophotometry; Calcium; Water; Post-column reaction 204(1988)87

Spectrophotometry; Flow system; Calcium; Waters; Simultaneous 212(1988)291

Spectrophotometry; Flow system; Brine; Calcium; Preconcentration 214(1988)439

Potentiometry; Titrimetry; Calcium; Waters 218(1989)47

Spectrophotometry; Flow system; Calcium; Diode-array, Arsenazo 224(1989)23

Fluorimetry; Blood serum; Calcein blue 227(1989)211

Flow system; Voltammetry; Serum; Rapid scan square-wave, Thin-film deaerator, Dropping mercury electrode 234(1990) 161

Potentiometry; Ion-selective electrodes; Serum; Automated, Ionized 236(1990)331

Spectrophotometry; Calcium; Waters; PAR complexes 249 (1991)513

Emission spectrom.; Plasmas; Inductively coupled, Optimization 250(1991)85

Magnetic resonance imaging agents

N.m.r. spectrometry; Stability of iron complexes 217(1989)391

Malachite green

Flow system; Spectrophotometry; Fungicide; Manganese ethylenebisdithiocarbamate; Periodate 222(1989)269

Malate

Amperometry; Enzyme electrodes; Lactate; Wines; Malate dehydrogenase, NADH oxidase 245(1991)145

Malate dehydrogenase

Flow system; Spectrophotometry; Controlled-pore glass 221 (1989)337

Malic acid

Gas chromatography; Isocitric acid; Citric acid; Fruit juice; Lemon juice; Adulteration, Acyl esters 239(1990)165

Spectrophotometry; Flow system; Enzyme reactor; Wines; Stopped-flow, Malate dehydrogenase, Malolactic fermentation 247(1991)61

Manganese

Electrotherm. atomization; At. abs. spectrometry; Copper; Coprecipitation/preconcentration; Waters 202(1987)223

Spectrophotometry; Chemical reagents; Plants 204(1988)355

Ion exchange; At. abs. spectrometry; Cobalt; Copper; Nickel; Tellurium metal 212(1988)191

Flow system; Spectrophotometry; Kinetic analysis; High-purity chemicals; Catalytic effect 217(1989)23

X-ray fluores. spectrometry; E.s.r.; Coprecipitation; Pore water 222(1989)169

At. abs. spectrometry; Waters; Sea water; Preconcentration; Polyazamacrocycles; Graphite furnace, Immobilized, Poly-(vinylbenzyltetraaza-1,4,8,11-cyclotetradecane) 232(1990)331

Flow system; Kinetic analysis; Spectrophotometry; Reserpine; Catalysts; Continuous-flow analysis, Manganese oxide reactor 233(1990)235

Isotope dilut. analysis; Biological samples; Foods; Spices; Thenoyltrifluoroacetone complex 234(1990)445

Flow system; Spectrophotometry; Kinetic analysis; Waters; Stopped-flow method, Gradient calibration 235(1990)323

At. abs. spectrometry; Air; Lead; Mercury; Electrostatic precipitation 245(1991)203

At. abs. spectrometry; Emulsification; Organic solvents; Zinc; Triton X-100, Bis-2-ethylhexylphosphoric acid 246(1991)347

Chemiluminescence; Flow system; Sea water; Waters; δ -Hydroxyquinoline concentration, 7,7,8,8-Tetracyanoquinodimethane 249(1991)469

Manganese ethylenebisdithiocarbamate

Flow system; Spectrophotometry; Fungicide; Malachite green; Periodate 222(1989)269

Manganese metal

Ion exchange; At. abs. spectrometry; Spectrophotometry; Trace elements 215(1988)317

Ion exchange; At. abs. spectrometry; Spectrophotometry; Trace elements 215(1988)111

${\bf Manganese~tetrakis (sulphophenyl) porphyrin-catalysed oxidation}$

Fluorimetry; Kinetic analysis; Hydrogen peroxide; Glucose; Homovanillic acid; Peroxidase-like catalysed oxidation 233 (1990)299

Manifold components

Flow system; Spectrophotometry; Peak profiles 220(1989)293

Mannitol

Flow system; Fluorimetry; Immobilized mannitol dehydrogenase, Poly(vinyl alcohol) beads 244(1991)105

Marine organisms

Cyclic voltammetry; Diffl. pulse polarography; Vanadium 219 (1989)281

Isotope dilut. analysis; Arsenic; Methylated arsenic 228(1990) 85

Marquardt algorithm

Kinetic analysis; Kalman Filter 224(1989)243

Mass calibrant

Mass spectrometry; Perfluorokerosene; Perfluorotributylamine; Poly(perfluoropropylene oxide); Negative ionization, Magnetic sector 229(1990)163

Mass transfer

Kinetic analysis; Acetylacetone; Ethers; Extraction; Interfacial 237(1990)237

Mass-transfer coefficients for cylinders and spheres

Flow-through porous electrodes; Theoretical expressions 215 (1988)295

Matched filtering

Chromatography; Chromatography; Signal/noise enhancement; Theory 235(1990)343

Chromatography; Chromatography; Signal/noise enhancement; Program and simulation 235(1990)355

Mathematical model

Flow system; Hydraulic model; Process analysis 229(1990)183

Preconcentration; Flow-through porous electrodes; Metal ions 232(1990)401

Flow system; Sequential determinations, Sandwich techniques 234(1990)67

Fluorimetry; Bacterial cultures; Fermentation; Physiological state; Process analysis; *Clostridium acetobutylicum*, NADH fluoresence 249(1991)279

Mathematical modelling

Flow system; Enzyme electrode; Single-line, Kinetics 241 (1990)43

Flow system; Enzyme electrode; Single-line, Simulation 241 (1990)55

Flow system; Laminar dispersion; Parallel plate laminar flow; Convective-diffusion equation, Peclet number, Concentration distribution 247(1991)51

Matrix effect

Spectrophotometry; Kalman filter; Simplex optimization 225 (1989)37

Matrix matching

Flow system; Plasma; Waters; Salinity; Inductively coupled, Sodium 234(1990)207

Matrix modifier

At. abs. spectrometry; Aluminum; Fluoride; Graphite furnace 225(1989)233

Meat samples

Chemiluminescence; Immunoassay; Nortestosterone; Comparison 205(1988)223

Mefloquine

Fluorimetry; Photochemical reaction; Antimalarial 227(1989) 325

Melanoidins

Humic substances; Isotope ratios; Maillard reaction, Elemental composition 232(1990)11

Melting temperature

Monte Carlo method; Silicate glasses; Calculation 210(1988)

Membrane electrodes

Potentiometry; Ion-selective electrodes; Verapamil; Ion pair, Reineckate, Dibutyl phthalate plasticizer, Poly(vinyl chloride) 235(1990)461

Potentiometry; Ion-selective electrodes; Pharmaceuticals; Pancuronium; Tubocurarine; Gallamine; Succinylcholine; Muscle relaxants 238(1990)405

Potentiometry; Amino acids; Tyrosine; Phenylalanine; Enzyme reaction; Decarboxylase 239(1990)23

Ion-selective electrodes; Photolithographic patterning; Nitrate; Acrylate-based 243(1991)179

Membrane filtration

Metal ions; Poly(ethyleneimine); Quinolinol 230(1990)171

Spectrophotometry; Extraction; Niobium; Phenylfluorone complex, Zephiramine 248(1991)529

Membrane gas sensor

Conductometry; Ethanol probe; Fermentors 215(1988)71

Membrane materials

Ion-sensitive field effect transistor; Potassium; Silicone rubber; Polymers 231(1990)41

Membrane modules

Flow system; Bioreactors; Fermentation; Penicillin fermentation; Process monitoring; Ammonium, Glucose 249(1991)123

Membrane probe

Mass spectrometry; Organic compounds; Direct insertion 231 (1990)175

Membrane reactor

Flow system; Spectrophotometry; Pulsed reagent introduction 215(1988)277

Membrane sensors

Potentiometry; Alcohols; Potassium; PVC-valinomycin 248 (1991)323

Membrane separation

Spectrophotometry; Flow system; Trace organic compounds 214(1988)299

Spectrophotometry; Process analysis; Cyanide; Ores; Metallurgical samples; PTFE membrane, HCN diffusion 238(1990) 117

Menthone

Pattern recognition; Piezoelectric sensors; Acetoin; Alcohols; Amyl acetate; Neural network; Odorants; Olfactory system; Back-propagation algorithm, Lipid-coated AT-cut quartz crystals 249(1991)323

Mercaptan

Spectrophotometry; Caustic scrubbing liquor; Sulphide; Simultaneous determination 226(1989)165

Mercaptoethanol

Voltammetry; Coulometry; Anodic behaviour 206(1988)65

Mercury

Flow system; Potentiometry; Water; Fibre electrodes, Computerized, Constant-current stripping 201(1987)1

Potentiometry; Flow system; Air; Computerized flow constant-current stripping, Gold fibre electrode 201(1987)269

Potentiometry; Bismuth; Copper; Urine; Constant-current stripping, Gold fibre electrode 202(1987)117

Voltammetry; Ion exchange; Silver; Zeolite-containing carbon-paste electrodes; Preconcentration 207(1988)95

At. abs. spectrometry; Soils; Digestion procedures, Coldvapour 209(1988)147

Ion exchange; Waters; Preconcentration 219(1989)339

At. abs. spectrometry; Biological samples; Microwave dissolution; Gold amalgamation, Cold-vapour 220(1989)257

Emission spectrometry; Mass spectrometry; Natural waters; Sediment; Inductively coupled plasma/mass spectrometry, Sodium boro-hydride 221(1989)77

At. abs. spectrometry; Preconcentration; Seawater; Platinum-lined graphite furnace 225(1989)175

Gas chromatography; Opto-acoustic spectroscopy; Hydrocarbon 226(1989)99

Voltammetry; Diphenylcarbazone; Modified electrode 228 (1990)259

Anod. stripping voltammetry; Lability; Metal complex; Mercury film electrode 228(1990)327

Coulometry; Hydrogen ion; Thiol; Platinum anode, Acetic acid-acetic anhydride 229(1990)221

Liquid chrom.; At. abs. spectrometry; Speciation; Waters; Preconcentration; Waste waters, Cold vapour, Microcolumn 235(1990)399

At. fluor. spectrometry; Air; Preconcentration; Gold amalgamation, Cold vapour 236(1990)371

At. abs. spectrometry; Waters; Sample digestion, Cold vapour 236(1990)377

At. fluor. spectrometry; Biological samples; Reduction aeration, Microwave dissolution 242(1991)203

Gravimetry; Cerium(IV), Perchloric acid 242(1991)279

At. abs. spectrometry; Coal fly ash; Gold amalgamation, Cold vapour 243(1991)71

At. abs. spectrometry; Flow system; Catalysts; Copper salts, Cadmium salts, Continuous microflow, Cold vapour 243 (1991)247

At. abs. spectrometry; Air; Lead; Manganese; Electrostatic precipitation 245(1991)203

Gas chromatography; At. abs. spectrometry; Organomercury compounds; Ethylation, Sodium tetraethylborate 248(1991)563

At. abs. spectrometry; Adsorption losses; Cold vapour, Tubing adsorption 248(1991)575

Diffl. pulse voltammetry; Copper; Gold; Reactor moderator water; Silver; Waters 249(1991)447

Activ. analysis; At. abs. spectrometry; Cadmium; Cobalt; Copper; Preconcentration; Trace metals; Waters; Zinc; Poly(acrylamidoxime) resin 249(1991)533

Gas chromatography; Biological samples; Fish; Organomercury halides; Speciation; Butylation, Derivatization, Microwave-induced plasma emission detector 249(1991)545

Mercury complex

At. abs. spectrometry; Tetraethylthiuram disulphide; Tetramethylene dithiocarbamate; Graphite furnace 226(1989)203

Mercury electrodes

Anod. stripping voltammetry; Diffl. pulse voltammetry; Polymer modified electrodes; Copper; Lead; Cadmium 238 (1990)345

Mercury microelectrodes

Polarography; Anod. stripping voltammetry; Non-conducting polymer coatings, Poly-N-ethyltyramine, Dithiocarbamate ligands 235(1990)451

Mercury species

Gas chromatography; At. fluor. spectrometry; Air; Coldvapour 208(1988)151

Mercury thin-film electrodes

Diffl. pulse voltammetry; Europium; Ytterbium; Rare earths; Nafion coating; Ion-exchange preconcentration 244(1991)29

Mesoionic compounds

Titrimetry; Potentiometry; Conductimetry/oscillometry; Photographic additives; Silver complexes; Triazolium thiolate complexes; Stability constants, Ostwald ripeners 248(1991)603

Metabolic studies

Mass spectrometry; Deuterium labelling 247(1991)277

Metabolism

Fluorimetry; Cell; Methylumbelliferylxyloside 227(1989)273

Metal alloys

Voltammetry; Anod. stripping voltammetry; Trace metals; Second-harmonic phase-selective a.c. 204(1988)189

Metal borides

Titrimetry; Potentiometry; Boron; Multiparametric curve-fitting 219(1989)273

Metal chelate

Chirality; Solvent extraction 221(1989)179

Liquid chrom.; Diacetylpyridine bis(*N*-methylenepyridinio-hydrazone); Rare earth complex 229(1990)101

Metal complexes

At. abs. spectrometry; Extraction; Ore; Palladium; Ammonium pyrrolidine dithiocarbamate, Methyl isobutyl ketone 217(1989)165

Anod. stripping voltammetry; Lability; Mercury; Mercury film electrode 228(1990)327

Ion exchange; Ammonium nitrate; Distribution coefficients; Ammines, Aquo complexes, Cation-exchange 233(1990)129

Mixed-ligand complexes; Coordination number 238(1990)393

Metal cyanide complex

Potentiometry; Flow system; Silver electrode 225(1989)105

Metal impurities

At. abs. spectrometry; Emission spectrom.; Silica; Acid decomposition; Vapour phase, PTFE bomb 245(1991)35

Metal ions

D.c. polarography; Anion-induced adsorption 218(1989)7

At. abs. spectrometry; Flow system; Iminodiacetate chelate resin; Microcolumn, On-line 221(1989)65

Polythioether; Separation; Tetrathioether 221(1989)99

Ion exchange; Rate constant; Chelex 222(1989)279

Membrane filtration; Poly(ethyleneimine); Quinolinol 230 (1990)171

Aminopropyltriethoxysilane; Preconcentration; Silica gel 230 (1990)179

Extraction; Liquid-liquid, Tris(2,6-dimethoxyphenyl)phosphine, Phosphonium salts 231(1990)107

At. abs. spectrometry; Extraction; Cobalt; Nickel; Zinc; Cadmium; Phosphine oxides; Liquid-liquid, 1-Phenyl-3-methyl-4-benzoyl-5-pyrazolone 232(1990)293

Preconcentration; Flow-through porous electrodes; Mathematical model 232(1990)401

Piezoelectric quartz crystal; Adsorption; Oscillation frequency 245(1991)71

Metal-fulvic complexes

Voltammetry; D.c. polarography; Fulvic acids; Complexants; Diffusion coefficient, Distribution function 232(1990)209

Fulvic acids; Complexants; Buffering action, Background sites 232(1990)225

Metallo-cyanides

Chromatography; Ion exchange; Cyanides; Ion-interaction chromatography; Preconcentration 250(1991)21

Metalloporphyrin modified glassy carbon electrodes

Voltammetry; Kinetic analysis; Urine 217(1989)343

Metalloporphyrins

Spectrophotometry; Cyanide; Fibre-optic chemical sensors; Corrins 241(1990)119

Mass spectrometry; Porphyrins; Fast atom bombardment, Demetallation 241(1990)281

Metallurgical samples

Spectrophotometry; Process analysis; Cyanide; Membrane separation; Ores; PTFE membrane, HCN diffusion 238(1990) 117

Metal-protein complex

Electrophoresis; Food extract; Flow-through, Flat-bed 230 (1990)1

Metastable transfer emission spectrometry

Chemiluminescence; Superconducting ceramics; Thermally labile oxygen; High-temperature, Microwave discharge 217 (1989)53

Meteorites

Ion exchange; Isotope dilut. analysis; Osmium; Rhenium; Resonance ionization mass spectrometry 222(1989)291

At. abs. spectrometry; Germanium; Hydride generation 228 (1990)139

At. abs. spectrometry; Ruthenium; Graphite furnace 232 (1990)317

Metformin hydrochloride

N.m.r. spectrometry; Pharmaceuticals 208(1988)321

Methadone

Flow system; At. abs. spectrometry; Pharmaceuticals 234 (1990)433

Methaemoglobin

Kinetic analysis; Spectrophotometry; Haemoglobin; Whole blood 224(1989)351

Methamphetamine

Fluorimetry; Immunoassay; Amphetamine; Urine; Polarization 227(1989)287

Methane

Gas chromatography; Carbon dioxide; Carbon monoxide; Temperature programmed decomposition 217(1989)197

Harmonic force field; Graphite 240(1990)135

Methanesulphonate

H.p.l.c.; Acetate; Ammonium; Antarctic ice; Fluoride; Formate 203(1987)11

Method of moments

Activ. analysis; Multiplet deconvolution; Gamma-ray 203 (1987)43

Method validation

Liquid chrom.; Expert system; Precision testing 235(1990)27

Methotrexate

A.c. polarography; Serum; Phase-selective 233(1990)281

Methoxyphenols

Voltammetry; Graphite electrodes; Phenols; Polyvinylpyrrolidone coating, Anti-fouling 237(1990)141

Methoxypsoralen

Fluorimetry; H.p.l.c. 211(1988)333

Methoxyquinoline

Fluorimetry; Hydrolysis; Photo-excitation; Ethanol 227(1989) 165

Methyl red

Gas chromatography; Dye adsorption; Sterchamol; Retention mechanism 232(1990)413

Methylamine dehydrogenase

Kinetic analysis; Amperometry; Biosensors; Electron transfer; Quinoproteins; Amicyanin, Cytochrome c 249(1991)235

Methylated arsenic

Isotope dilut. analysis; Arsenic; Marine organism 228(1990)85

Methylbut-1-yne

Raman spectrometry; I.r. spectrometry; Dimethylbut-1-yne 240(1991)317

Methylchlorosilane

I.r. spectrometry; Flow reactor; Gas cell; Silicon 222(1989)221

Methyldihydrooxadiazolium ion

Chromatography; Ion exchange; Cyclic voltammetry; Nitrosamines; Electrochemical detection, 1-Octanesulphonic acid ion-pairing reagent 232(1990)397

Methylenedioxy-N-n-propylnoraporphine

Liquid chrom.; Aporphines; Alkaloids; Cunninghamella elegans O-dealkylation 233(1990)191

Methylglyoxal

Fluorimetry; Liquid chrom.; Mouse blood 221(1989)163

Methylmalonic acid

Gas chromatography; Mass spectrometry; Urine; Ion-trap detector 247(1991)243

Methylmercury

Gas chromatography; Natural waters; Preconcentration 221 (1989)259

Gas chromatography; Emission spectrometry; Biological sample; Headspace, Microwave-induced plasma 228(1990)93

Standard solution; Long-term stability 229(1990)281

Gas chromatography; Waters; Sea water; Plasma; Microwave-induced plasma detection, Headspace, Dithiocarbamate resin preconcentration, Speciation 234(1990)417

Methylstyrenes

Liquid chrom.; N.m.r. spectrometry 225(1989)409

Methyltestosterone

Chemiluminescence; Immunoassay; Steroids; Direct reading, Microtitre plates, Luminoskan, Solid-phase 248(1991)207

Methylumbelliferone

Phosphorimetry; T.l.c.; Low-temperature 212(1988)213

Methylumbelliferylxyloside

Fluorimetry; Cell; Metabolism 227(1989)273

Metal

H.p.l.c.; Amperometry; Hydroquinone; Photographic developer; Reversed-phase, Ion-pair 208(1988)337

Metronidazole

Spectrophotometry; Furazolidone; Tablets, K-matrix method 249(1991)349

Micellar chromatography

Liquid chrom.; Electrophoresis; Binding constants; Capillary zone, Surfactants 231(1990)237

Micellar electrokinetic chromatography

Chromatography; Chiral separation; Optical purity; Trimetoquinol hydrochloride; Laudanosoline, Norlaudanosoline, Laudanosine, Sodium taurodeoxycholate 236(1990)281

Micellar media

Fluorimetry; Quinolizinium salts 205(1988)117

Fluorimetry; Styryl derivatives of quinolizinium salts; Solvatochromic effect 205(1988)129

Fluorimetry; Pharmaceuticals; Procaine; Solvent, Synchronous 205(1988)139

Flow system; Organized media; Insoluble systems; Thorium; Uranium; Rare earth elements; 1-(2-Pyridylazo)-2-naphthol, Arsenazo III 234(1990)239

Micellar solutions

Cyclic voltammetry; Octadecylsilyl-coated electrodes; Ferrocene, Hexaammineruthenium(III), Hexacyanoferrate(II), Sodium dodecyl sulphate, Cetyltrimethylammonium bromide, Platinum electrode, Pyrolytic graphite electrode 235(1990)307

Diffl. pulse polarography; Organochlorine pesticides; Pesticides; Dieldrin, Endosulfan, Endosulfan sulphate, Surfactants 246(1991)293

Micellar-catalyzed reaction

Flow system; Fluorimetry; Pyridoxal 201(1987)67

Micelles

Fluorimetry; Review; Reversed 208(1988)1

Chemiluminescence; Cetyltrimethylammonium bromide; Glucose oxidase; Hydrogen peroxide; Luminol; Sensor 221(1989) 11

Spectrophotometry; Arylamine; Sulphonamide; Diazotization, Pharmaceutical preparation 223(1989)327

Kinetic analysis; Cerium-arsenic reaction 224(1989)185

Chemiluminescence; Amino acid; Enzymatic assay; Glucose; Luminol 225(1989)147

Flow system; Liquid chrom.; Fluorimetry; Aluminium 225 (1989)339

Spectrophotometry; Kinetic analysis; Iron; Pyrocatechol violet complex 226(1989)137

Fluorimetry; Food; Zinc 227(1989)219

Liquid chrom.; Carboxylic acid; Partition coefficient; Ion-exclusion 230(1990)9

Micro-enzyme sensor

Ion-sensitive field effect transistor; Urease; Covalent bonding 231(1990)305

Microanalysis

Electron probe analysis; Review 218(1989)185

Microbe

Liquid chrom.; Amperometry; Tissue 229(1990)139

Microbial concentration

Amperometry; Reaction mechanism 215(1988)61

Microbial reaction rates

Gas chromatography; Potentiometry; Voltammetry; Sediment suspensions; Apparatus 213(1988)221

Microbiological sensors

Amperometry; Potentiometry; Fermentation processes; Review 213(1988)69

Flow system; Amperometry; Microorganisms; Fungi; Bacteria; *Escherichia coli* 234(1990)247

Microcomputer based information system

Mass spectrometry; Categorized data bases 210(1988)169

Microcomputer based search system

N.m.r. spectrometry 210(1988)89

Microcomputer control

Flow system; Conductometry; Spectrophotometry; Potentiometry; Fluorimetry; Automated micro batch analyser 214(1988) 107

Microcomputers

Impact of 210(1988)1

Voltammetry; Cadmium 225(1989)391

Microdialysis sampling

Liquid chrom.; Acetylsalicylic acid; Aspirin; Pharmacokinetics; Rats, In vivo 246(1991)181

Microelectrode arrays

Cyclic voltammetry; Amperometry; Flow system; Glassy carbon electrodes; TTF-TCNQ, Hydroquinone, Dopamine, Ascorbic acid 246(1991)315

Microelectrodes

Cyclic voltammetry; Electrode kinetics; Ferrocene 225(1989)83

Cyclic voltammetry; Chlorine; Waters; Platinum microdisc, Gold microdisc and microband 246(1991)267

Microemulsions

Flow system; Spectrophotometry; Copper 201(1987)345

Spectrophotometry; Aniline; Vegetable oils; Diazotization, Coupling, Phase diagrams, Corn oil 235(1990)317

Microorganisms

Fluorimetry; Fermentation; Immobilized 213(1988)47

Flow system; Amperometry; Microbiological sensor; Fungi; Bacteria; Escherichia coli 234(1990)247

Microparticles

Pattern recognition; Mass spectrometry; Molecular speciation; Principle component analysis; Canonical discriminant analysis; Nickel compounds; Laser microprobe 243(1991)139

Microporous membrane

Flow system; Spectrophotometry; Cyanide; Thiocyanate 214 (1988)259

Microprobe spectroscopy

Raman spectrometry; Laser; Iron electrodes 240(1990)87

Microscopy

Fluorimetry; Mitochondrial membrane; Yeast 227(1989)227

Microsomal protein

Chemiluminescence; Cytochrome; Luminol; Isoenzyme 227 (1989)49

Microwave

Emission spectrometry; Biological material; Dissolution; Environmental material; Inductively coupled plasma 225(1989)159

Microwave acid digestion

Spectrophotometry; At. abs. spectrometry; Rocks; Geological samples 245(1991)43

Microwave digestion

Flow system; At. abs. spectrometry; Biological tissues; Cadmium; Zinc 214(1988)421

Trace element determination 236(1990)337

Flow system; Amperometry; Phosphorus; Waters 236(1990)345

Microwave dissolution

At. abs. spectrometry; Biological samples; Mercury; Gold amalgamation, Cold-vapour 220(1989)257

At. abs. spectrometry; Electrotherm. atomization; Silicate materials 220(1989)263

Microwave oven

Spectrophotometry; Benzodiazepine; Benzophenone 224 (1989)123

Microwave oven digestion

At. abs. spectrometry; Flow system; Solid samples; Sewage sludge; Flame, Manifold, Slurries 238(1990)417

Microwave sublimation

Activ. analysis; Geological materials; Gold; Ores; Helium-oxygen plasma 248(1991)579

Microwave-induced nitrogen discharge

H.p.l.c.; Emission spectrometry; Replacement-ion chromatography 215(1988)99

Microwave-induced plasma

Emission spectrometry; Nickel; Preconcentration; Biological samples; Nickel carbonyl, Chromosorb 231(1990)265

Midazolam

Voltammetry; Benzodiazepine; Quality control; Adsorptive stripping 229(1990)145

Middle-value iteration algorithm

Hydrocarbon pyrolysis reactions 210(1988)195

Mifentidine

Mass spectrometry; Histamine 247(1991)151

Migration effect

Coulometry; Titrimetry; Ion-selective field effect transistor; Modelling, Sensor-actuator, Diffusion, Simulation, Nernst-Planck equations 237(1990)71

Milk

Principal components; Electrotherm. atomization; At. abs. spectrometry; Trace metals; Cow 201(1987)253

Potentiometry; Flow system; Fluoride-selective electrode; Horseradish peroxidase; Turnip extract 208(1988)173

At. abs. spectrometry; Molybdenum; Electrothermal atomization, Barium difluoride, Matrix modifier 231(1990)321

Voltammetry 238(1990)357

Potentiometry; Enzyme electrodes; Fermentation broth; Penicillin; Glass pH electrode, Penicillinase 249(1991)405

Milk components

Amperometry; Flow system; Electrochemical biosensors; Metabolites 213(1988)101

Milk powder

Chemiluminescence; Fluorimetry; Phosphorimetry; Aluminium; Liquid room temperature, Ferron, Vesicles 238 (1990)297

Mineral sample

Liquid chrom.; Bromopyridylazodiethylaminophenol; Chelation; Transition metal; Water 230(1990)23

Minerals

Potentiometry; H.p.l.c.; Coal; Fluorine; Pyrohydrolysis 202 (1987)61

Spectrophotometry; Steels; Vanadium; With methoxypromazine maleate 209(1988)293

Mass spectrometry; Plasma; Laser ablation; Rocks; Geological materials; Inductively coupled 235(1990)381

Spectrophotometry; Rocks; Phosphorus; Decomposition, Room temperature 237(1990)251

Fluorimetry; Europium; Rare earth minerals; Gadolinium fluorescence enhancer 247(1991)37

Mirex

I.r. spectrometry; Raman spectrometry; Pesticides; Hydrogen-substituted degradation products 240(1990)41

Mitochondrial membrane

Fluorimetry; Microscopy; Yeast 227(1989)227

Mixed-ligand complexes

Metal complexes; Coordination number 238(1990)393

Mixers

Laser Doppler anemometry; Process analysis; Jet mixing; Petroleum pipelines; Waters; Crude oil 238(1990)251

Model building

Data transformation; Latent-variable model; Marker approach 223(1989)53

Modelling

Computer program; XYZ program, Graphic display 239 (1990)311

Modified electrode

Flow system; Liquid chrom.; Enzyme reactor; Xylulose; Recirculating flow 225(1989)263

Amperometry; Film-coated electrode 228(1990)39

Voltammetry; Diphenylcarbazone; Mercury 228(1990)259

Cyclic voltammetry; Preconcentration; Tifluadom 228(1990) 265

Amperometry; Chelating resin; Preconcentration; Silver; Carbon paste electrode 229(1990)213

Molar absorptivities

Spectrophotometry; Hydrogen peroxide; Hydroperoxyl ion 215(1988)325

Molasses

Flow system; Spectrophotometry; Sucrose; Sugar-cane juice 204(1988)259

Spectrophotometry; Flow system; Sucrose; Sugar-cane juice 214(1988)247

Molecular dynamics simulation

Poly(ethylene) state density; Temperature dependence, Multiple signal classification 235(1990)143

Molecular electrostatic potential

Acesulphame 210(1988)213

Molecular emission cavity analysis

Emission spectrometry; Organic sulphur compounds; Electrolytic generation of hydrogen sulphide 202(1987)241

Flow system; Emission spectrometry; Organic sulphur compounds; Alkaline hydrolysis 204(1988)285

Emission spectrometry; Alcohol dehydrogenase-catalyzed reactions; Ethanol 207(1988)355

Emission spectrometry; Hydride generation; Tin 209(1988)275

Emission spectrometry; Cyanide; Sulphite-formaldehyde addition compound 233(1990)307

Emission spectrometry; Sulphur; Quenching, Oxygen-hydrogen flame 235(1990)413

Emission spectrometry; Amino acids; Indirect, Trinitrobenzenesulphonic acid, Sulphur emission 239(1990)161

Molecular graphs

Structure generator 235(1990)221

Molecular interaction

Analyte recognition; Carriers; Enzymes; Optical sensing; Transduction 250(1991)181

Molecular recognition

Chymotrypsin; Electrostatic features, Cyclic urea mimics 210 (1988)151

Molecular size

Liquid chrom.; Gel perm. chromatogr.; Light scattering; Proteins; Egg white, Hepatitis B surface antigen, Macromolecular interaction 249(1991)227

Molecular speciation

Pattern recognition; Mass spectrometry; Microparticles; Principle component analysis; Canonical discriminant analysis; Nickel compounds; Laser microprobe 243(1991)139

Molecular spectroscopic detection

Flow system; Fluorimetry; Spectrophotometry; Raman spectrometry; I.r. spectrometry; Mass spectrometry; Sample introduction 250(1991)157

Molecular weight

Mass spectrometry; Fourier transform; Tandem quadrupole 225(1989)1

Molecular weight sensing

Flow system; Polyethylene glycol; Refractive index gradient detection 246(1991)241

Molten salts

Raman spectrometry; Ethylaluminium dichloride; Organochloroaluminate; Room temperature 240(1991)299

Molybdate

Spectrophotometry; Acidity; Kinetics; Phosphoantimonyl-molybdenum blue 229(1990)115

Molybdenum

Emission spectrometry; At. abs. spectrometry; Organometallic compounds; Flame 207(1988)259

Kinetic analysis; Flow system; Spectrophotometry; Ion exchange; Plants 214(1988)239

Flow system; Spectrophotometry; Electrolytic dissolution; Steels 214(1988)397

Polarography; Ion exchange; Seawater; Tungsten; Waters; Catalytic current, Preconcentration 218(1989)25

Electrotherm. atomization; At. abs. spectrometry; Foods 219 (1989)79

Spectrophotometry; Extraction; Steels 219(1989)323

Flow system; Ion exchange; Natural water; Rock 225(1989)313

At. abs. spectrometry; Milk; Electrothermal atomization, Barium difluoride, Matrix modifier 231(1990)321

At. abs. spectrometry; Flame; Iron; Nickel; Cobalt; Catalysts; Petroleum; Microwave oven digestion, Slurry 235(1990)405

Diffl. pulse voltammetry; Plant materials; Waters; Nitrate, 8-Hydroxyquinoline 244(1991)193

Geological samples; Visual comparison 244(1991)245

Molybdenum blue

Flow system; Kinetic analysis; Antimony 224(1989)373

Moment analysis

Flow system; Peak-shape 229(1990)35

Monensin

Cyclic voltammetry; Ionophores; Lasalocid; Antibiotics; Gel/electrolyte interface, charge transfer 244(1991)15

Monitoring in organic solvents

Potentiometry; Enzyme electrode 219(1989)27

Monoaza crown ethers

Potentiometry; Titrimetry; Complexation properties 211 (1988)223

Monocarbon molecules

Non-aqueous medium; Vanadium complex 225(1989)217

Lithium; Ion extraction; Crown ethers 245(1991)235

Monoclonal antibodies

Flow system; Immunoassay; Immunoglobulin G; Hybridoma cell fermentation 234(1990)83

Enzyme systems; Glucose oxidase; Screening procedures; ELISA 241(1990)105

Electrophoresis; Micropreparative collection system, Multiple capillaries 249(1991)247

Immunoassay; Electrophoresis; Antibody expression; Enzyme-linked immunosorbent assay; Flow cytometry; Hybridoma cells; Homogeneous continuous perfusion culture systems 249(1991)257

Monosaccharides

H.p.l.c.; Voltammetry; Foods; Disaccharides; Physiological fluids; Electrocatalytic chemically modified electrode 206 (1988)85

Spectrophotometry; Flow system; Strongly oxidizing agents; Manganese(VI), Copper(III) 211(1988)99

Monte Carlo method

Melting temperature; Silicate glasses; Calculation 210(1988) 199

Monte Carlo simulation

Spectrophotometry; Potentiometry; Precision, Data acquisition, Optimization 239(1990)53

Morphine

H.p.l.c.; Caffeine; Plant materials; Quinine; Serum; Supercritical fluid extraction 213(1988)237

Mouse blood

Fluorimetry; Liquid chrom.; Methylglyoxal 221(1989)163

Multi-component analysis

Spectrophotometry; Rare earth elements; Simplex method 222(1989)323

Spectrophotometry; Precision, Accuracy 222(1989)347

Spectrophotometry; Extraction; Hydroxyquinoline; Trace metals 226(1989)271

Flow system; Spectrophotometry; Nitrophenylhydrazine; Diode-array 229(1990)177

Spectrophotometry; Cobalt; Quinolinol 230(1990)221

Spectrophotometry; Kalman filter; Acidity constants; Noise removal; Method comparison 239(1990)95

Kinetic analysis; Spectrophotometry; Formaldehyde; Acrolein; Wavelength-pair method, Diode-array detection 244(1991)81

Multi-component determinations

Spectrophotometry; Experimental design 207(1988)125

Flow system; Spectrophotometry; Partial least squares modeling 211(1988)1

Multi-component dye samples

Mass spectrometry; Californium-252, Particle-desorption 218 (1989)85

Multi-element detection

Chromatography; Ion exchange; Chemiluminescence; Trace metals; Waters; Co-EDTA post-column reagent, Luminol-peroxide, Zinc, Aluminium 237(1990)291

Multi-equilibria systems

Titrimetry; Algorithm; Copper complexes; Factor analysis 248(1991)447

Equilibrium constants; Algorithms 249(1991)353

Multi-ion sensor cell

Flow system; Potentiometry; Computerised data-acquisition 214(1988)359

Multi-wavelength detection

Liquid chrom.; Calibration; Factor analysis; Kalman filter; Rank annihilation 250(1991)37

Multiparametric curve-fitting

Titrimetry; Potentiometry; Boron; Metal borides 219(1989)273

Multipass cuvette

Fluorimetry; Rhodamine-B 227(1989)291

Multiple peak recordings

Flow system; Review 216(1989)275

Multiplet deconvolution

Activ. analysis; Method of moments; Gamma-ray 203(1987)43

Multivariate calibration

Cationic detergent; Tensammetry 223(1989)387

Liquid chrom.; Data analysis, Reversed-phase 235(1990)41

I.r. spectrometry; Fuel quality; Fibre optics; Process analysis; Gasoline; Diesel fuel; Octane number, Cetane number 238 (1990)95

Flow system; Teniposide; Blood serum 241(1990)23

Spectrophotometry; Partial least-squares regression; Scaling methods 248(1991)459

Multivariate classification

Pattern recognition; Variable selection, Sample size 220 (1989)119

Multivariate component analysis

Principal components; Partial least squares; Trace metals; Tungsten wire 241(1990)147

Multivariate correlation analysis

Trace metals; River water; Atmospheric sampling 242(1991)5

Multivariate functions

Computerized establishment of multivariate functions; QQN series software 234(1990)493

Multivitamin preparation

Voltammetry; Amperometry; Ascorbic acid; Composite electrode 229(1990)63

Mussels

Principal components; Electrotherm. atomization; At. abs. spectrometry; Trace elements; Polluted and unpolluted 220 (1989)135

Gas chromatography; Principal components; Dinoflagellate toxin 222(1989)35

Fluorimetry; Polynuclear aromatic hydrocarbons; Shpol'skii technique; Terns; Biological samples 232(1990)245

Mycotoxins

Liquid chrom.; Mass spectrometry; Paspalitrems; Paxilline, Paspaline, Paspaline, Paspalicine, Diode-array detection, Computer library matching 244(1991)1

Mvo-inositol

Flow system; Amperometry; Enzyme reactors 206(1988)49

N

NADH

Amperometry; Alcohol dehydrogenase; Bioelectrode; Ethanol; Yeast 221(1989)43

Chemiluminescence; Flow system; Fibre-optic; Sensor; Bioluminescence 226(1989)331

Flow system; Chemiluminescence; Fibre-optic sensor; ATP; Enzyme system; Polyamide membrane 235(1990)243

Nafion

Amperometry; Ion exchange; Voltammetry; Sensor; Low-conductivity solvent 221(1989)27

Nafion coating

Diffl. pulse voltammetry; Europium; Ytterbium; Rare earths; Mercury thin-film electrodes; Ion-exchange preconcentration 244(1991)29

Nafion membrane

Ion exchange; Amino acids; Peptides; Hollow fibres; Permeation 244(1991)21

Nafion-coated electrodes

Amperometry; Flow system; Voltammetry; Pharmaceuticals; Promethazine; Cations 249(1991)489

Nafion-modified carbon fibre electrodes

Potentiometry; Flow system; Cadmium; Lead; Urine; Zinc; Computerized flow, Stripping 207(1988)17

Naphthalene

Liquid chrom.; Acenaphthenequinone dioxime; Dimethyl glyoxime; Palladium; Preconcentration 230(1990)17

Naphtho-crown ether

Potentiometry; Poly(vinyl chloride); Potassium; Ionophore 222(1989)253

Naphthols

Flow system; Chemiluminescence 202(1987)247

Naphthoguinones

Polarography; Quinones; Benzoquinones; Bioreductive quinones, Mitomycin, Aziridinylquinone, Antitumour agents 233 (1990)251

Naphthyl phenyloxazole

Fluorimetry; Optical multiplexing; Two-photon excited, Fibre-optic star coupler 215(1988)203

Natural organic matter

Waters; Transmission electron microscopy 232(1990)107

Natural products

Liquid chrom.; Droplet countercurrent chromatography; Centrifugal partition chromatography 236(1990)63

Natural water

Emission spectrometry; Mass spectrometry; Mercury; Sediment; Inductively coupled plasma/mass spectrometry, Sodium boro-hydride 221(1989)77

Gas chromatography; Methylmercury; Preconcentration 221 (1989)259

Voltammetry; Synergic adsorption; Uranium 221(1989)279

Flow system; Ion exchange; Molybdenum; Rock 225(1989)313

Near infrared

Raman spectrometry; I.r. spectrometry; Fourier transform 240(1991)239

Nebulization

Mass spectrometry; Biological samples; Boron; Inductively coupled plasma, Isotope ratio 248(1991)229

Neodymium

Ion exchange; Amidoxime; Chelating resin; Holmium 221 (1989)325

Neural network software

Ion-selective electrodes; Array signal processing 233(1990)31

Neural networks

X-ray fluores. spectrometry; Calibration; Genetic algorithm, Backward error propagation 247(1991)97

Review; Chemical applications 248(1991)1

Pattern recognition; Piezoelectric sensors; Acetoin; Alcohols; Amyl acetate; Menthone; Odorants; Olfactory system; Backpropagation algorithm, Lipid-coated AT-cut quartz crystals 249(1991)323

Neutral carrier

Potentiometry; Ion selectivity coefficient, Ion-selective electrode 221(1989)117

Potentiometry; Lead; Liquid-liquid interface 228(1990)241

Neutron activation

Arsenic speciation; Coprecipitation; Dibenzyldithiocarbamate 222(1989)159

Nickel

Anod. stripping voltammetry; Cadmium; Cobalt; Copper; Lead; Waters; Differential-pulse 204(1988)179

Flow system; Potentiometry; Cobalt; Constant-current stripping, Carbon fibre electrodes 208(1988)237

Ion exchange; At. abs. spectrometry; Cobalt; Copper; Manganese; Tellurium metal 212(1988)191

Kinetic analysis; Spectrophotometry; Cobalt; Resolution of binary mixtures; Interpolation 212(1988)223

Spectrophotometry; Flow system; Iron; Doublet peaks 214 (1988)197

At. abs. spectrometry; Electrotherm. atomization; Cobalt; Iron; Molybdenum tube 217(1989)377

Voltammetry; Potentiometry; Computerised system; Chronopotentiometric experiments 219(1989)105

Polarography; Pilocarpine 230(1990)97

Emission spectrometry; Microwave-induced plasma; Preconcentration; Biological samples; Nickel carbonyl, Chromosorb 231(1990)265

At. abs. spectrometry; Extraction; Metal ions; Cobalt; Zinc; Cadmium; Phosphine oxides; Liquid-liquid, 1-Phenyl-3-methyl-4-benzoyl-5-pyrazolone 232(1990)293

At. abs. spectrometry; Flame; Iron; Cobalt; Molybdenum; Catalysts; Petroleum; Microwave oven digestion, Slurry 235 (1990)405

Voltammetry; Speciation; Air; Adsorptive stripping, Magnetic extraction 235(1990)457

At. abs. spectrometry; Preconcentration; Waters; Cellulose ion exchangers, Cellex CM, Graphite furnace 238(1990)285

Flow system; Diode-array detection; Zinc; Pyridylazonaphthol 241(1990)153

At. abs. spectrometry; Waters; Preconcentration; Extraction; Graphite furnace, Dithiocarbamate complex, Xylene 242 (1991)209

Voltammetry; Histidine; Speciation; Histidine complex, Aqueous ammonia 246(1991)301

Diffl. pulse voltammetry; Biological cells; Biosensors; Porphyrin microsensors; Carbon fibre ultramicroelectrodes, Single cells 249(1991)35

At. abs. spectrometry; Extraction; Zinc; Bis(4-acylpyrazol-5-one) derivative extractants, Liquid-liquid, Polymethylene chain length, Steric effects, Tri-*n*-octylphosphine oxide synergist 249(1991)525

Nickel catalyst

Electron probe analysis; Hydrogenation; Sulphur poisoning 226(1989)43

Nickel compounds

Pattern recognition; Mass spectrometry; Molecular speciation; Microparticles; Principle component analysis; Canonical discriminant analysis; Laser microprobe 243(1991)139

Nickel ion

Spectrophotometry; Aluminium; Ethyl tetrabromophenolphthalein; Pyridyldiphenyltriazine; Steel 221(1989)109

Nicotinamide adenine dinucleotides

Chemiluminescence; Radical intermediate, Anodic oxidation, Reduced, Electrogenerated 209(1988)69

Nicotinamide coenzymes

H.p.l.c.; Amperometry; Enzyme reactor 218(1989)129

Amperometry; Flow system; Enzyme reactor; Immobilized, Amplification, Substrate recycling, Hydrogen peroxide 248 (1991)345

Nimetazepam

Raman spectrometry; I.r. spectrometry; Benzodiazepines; Nitrazepam; Clonazepam; Flunitrazepam; Fourier transform 240(1991)287

Ninhydrin

Kinetic analysis; T.l.c.; Amino acid 224(1989)315

Niobium

Spectrophotometry; Experimental design; Differential 203 (1987)67

Spectrophotometry; Extraction; Steels 204(1988)365

Spectrophotometry; Reversed matrix representation; Tantalum; Multicomponent mixtures 212(1988)145

Spectrophotometry; Dinitrocatechol; Flotation separation; Oxalate; Rhodamine B 226(1989)281

Activ. analysis; Titanium; Proton activation 247(1991)133

Spectrophotometry; Extraction; Membrane filtration; Phenylfluorone complex, Zephiramine 248(1991)529

Nitrate

H.p.l.c.; Conductometry; Air; Nitrite; Passive monitors; Sulphate 217(1989)135

Voltammetry; Autocatalytic effect; Water; Second-sweep cyclic voltammetry, Mercury drop electrode 221(1989)131

Flow system; Ion exchange; Spectrophotometry 225(1989)331

Flow system; Spectrophotometry; Field monitor; River water 227(1989)379

Flow system; Polarography; Waters; Uranyl ion 234(1990)475

Liquid chrom.; Nitrite; Waters; Sea water; Venice lagoon, Ion interaction reversed-phase 239(1990)203

I.r. spectrometry; Nitrite; Ammonium; Matrix isolation, Alkali metal halide pellets 240(1990)69

Ion-selective electrodes; Photolithographic patterning; Membrane electrodes; Acrylate-based 243(1991)179

Spectrophotometry; Phosphate; Reference materials; Sea water; Autoclaving 248(1991)277

Potentiometry; Chloride; Ion-selective electrodes; Waters; Remote analysis station, Coated-wire 248(1991)285

Nitrate-selective microelectrodes

Potentiometry; Sediments 219(1989)351

Nitrating acids

Titrimetry; Voltammetry; Process industry 206(1988)137

Nitrazepam

Raman spectrometry; I.r. spectrometry; Benzodiazepines; Nimetazepam; Clonazepam; Flunitrazepam; Fourier transform 240(1991)287

Nitric acid

Spectrophotometry; Transport behaviour; Ultracentrifuge; Water; Tributyl phosphate/n-dodecane mixtures 201(1987)135

Biological material; Pressure decomposition 226(1989)1

Biological material; Pressure decomposition 226(1989)17

Voltammetry; Biological material; Pressure decomposition 226(1989)31

Spectrophotometry; Lasers, tunable diode; Air; Temperature sweep tuning 241(1990)95

Nitric oxide

I.r. spectrometry; Carbon monoxide; Platinum/silica catalysts; Adsorption 240(1990)139

Nitrite

Voltammetry; Seawater; Waters; Cathodic stripping 212 (1988)31

Spectrophotometry; Flow system; Amines; Aromatic primary 214(1988)207

H.p.l.c.; Conductometry; Air; Nitrate; Passive monitors; Sulphate 217(1989)135

Polarography; Sausage; Water; Single-sweep 230(1990)105

Spectrophotometry; Waters; Sea water; Azo dyes; Formation kinetics, N-1-Naphthylethylenediamine, Sulphanilamide 232(199)345

Spectrophotometry; Kinetic analysis; Water; Food; Sausage, Potassium bromate, Thionine 234(1990)403

Liquid chrom.; Nitrate; Waters; Sea water; Venice lagoon, Ion interaction reversed-phase 239(1990)203

I.r. spectrometry; Nitrate; Ammonium; Matrix isolation, Alkali metal halide pellets 240(1990)69

D.c. polarography; Cobalt(II)-thiocyanate-ascorbic acid complex, Single-sweep 241(1990)161

Spectrophotometry; Waters; 3-Nitroaniline 242(1991)225

Voltammetry; Vitamin B₁₂; Waters 248(1991)109

Nitro compounds

Fluorimetry; Waters; Explosives; Trinitrotoluene; Dinitrotoluene; Hexahydrotrinitrotriazine; In situ optical detection, Fluorescence quenching 237(1990)265

Nitrobenzene

Gas chromatography; Annular denuder tube; Nitrogen atmospheres; Electron-capture detection 217(1989)289

Adsorption; Denuder tube; Trichloroethane; Platinum/lead collection surface 226(1989)145

Gas chromatography; Fluorimetry; Cyclohexanone; Naphthalene vapour, Indirect fluorescence detection, Quenching constants 233(1990)303

Nitrogen

Mass spectrometry; Combustion; Elemental analysis 226 (1989)345

Dry ashing; Organic matrices; Plasma; Microwave, Low-pressure oxygen atmosphere 233(1990)321

Potentiometry; Ion-selective electrodes; Ammonia; Differential, Membrane, Gas-sensing 237(1990)115

Flow system; Phosphorus; Waters; Process analysis; Wastewater treatment plant, Biological removal 238(1990)191

Gas chromatography; Nuclear fuels; Uranium nitride; Plutonium nitride; Oxidation, Glove-box 239(1990)107

Isotope dilut. analysis; Contamination; Soil; Extraction, Distillation, Drying 245(1991)49

Flow system; Conductimetry/oscillometry; Gas diffusion; Waters; Ammonia, Nitrate, Nitrite 245(1991)183

Nitrogen atmospheres

Gas chromatography; Annular denuder tube; Nitrobenzene; Electron-capture detection 217(1989)289

Nitrogen compounds

Fluorimetry; Flow system; Creatinine; Ammonia; Enzyme reactor; Serum, Amino acids 245(1991)89

Nitrogen dioxide

Piezoelectric sensing; Manganese dioxide-coated quartz 207 (1988)67

Spectrophotometry; Thermal lens; Pulsed carbon dioxide laser, Excimer-laser-pumped 245(1991)191

Nitrogen oxides

Spectrophotometry; Lasers, tunable diode; Simplex optimization; Sweep averaging 241(1990)83

Nitrophenol

Flow system; Amperometry; Paraoxon; Parathion 228(1990) 317

p-Nitrophenol adducts

Spectrophotometry; Stability constants; Multiwavelength data treatment 242(1991)57

Nitrophenylhydrazine

Flow system; Spectrophotometry; Multi-component analysis; Diode-array 229(1990)177

Nitrosamines

Chromatography; Ion exchange; Cyclic voltammetry; Methyldihydrooxadiazolium ion; Electrochemical detection, 1-Octanesulphonic acid ion-pairing reagent 232(1990)397

Nitroso-R salt

At. abs. spectrometry; Hydride generation; Lead 221(1989)85

Nitrosoglyphosate

Ion exchange; Chromatography; Glyphosate 230(1990)29

Noise

Emission spectrometry; Signal analysis; Inductively coupled plasma, Microlitre sample 226(1989)53

Noise removal

Spectrophotometry; Kalman filter; Acidity constants; Multicomponent analysis; Method comparison 239(1990)95

Non-aqueous medium

Monocarbon molecules; Vanadium complex 225(1989)217

Nonylphenol polyglycol ether

Liquid chrom.; Surfactants; Non-ionic 236(1990)273

Norbornadiene derivatives

Kinetic analysis; Spectrophotometry; Tetraphenylporphinecobalt(II); Photochromism; Porous glass beads, Immobilized 243(1991)97

Norepinephrine

Flow system; Fluorimetry; Epinephrine; Trihydroxyindole; Urine 229(1990)27

Amperometry; Flow system; Enzyme electrode; Dopamine; Plant tissue-based electrode, Zucchini-based electrode, Ascorbic acid interference elimination 234(1990)315

Nortestosterone

Chemiluminescence; Immunoassay; Meat samples; Comparison 205(1988)223

Spectrophotometry; Chemiluminescence; Immunoassay; Enzyme 227(1989)109

Nuclear fuels

Kinetic analysis; Spectrophotometry; Technetium; Vegetation 207(1988)233

Gas chromatography; Nitrogen; Uranium nitride; Plutonium nitride; Oxidation, Glove-box 239(1990)107

Nuclear reprocessing

Spectrophotometry; Bromopyridylazodiethylaminophenol; Uranium 228(1990)279

Nucleic acids

Fluorimetry; Terbium; Phenanthroline, DNA, RNA 248 (1991)589

Nucleosides

I.r. spectrometry; Cytidine; Deoxycytidine; Fourier transform, Phosphate salts, Aqueous solutions 240(1991)277

Numerical analysis

Spectrophotometry; Drug-macromolecule binding parameters; Binding parameters; Scatchard plot, Phenylbutazone, Oxyphenbutazone 244(1991)145

Numerical data

I.r. spectrometry; N.m.r. spectrometry; Knowledge base; Acquisition, Dissemination, Retrieval 210(1988)81



Octadecyl isonicotinate

Flow system; Potentiometry; Tridodecylamine; Neutral carrier 221(1989)139

Octadecyl phases

H.p.l.c.; Caffeine; Purine bases; Serum; High-density, Chemically bonded, Silica gels 208(1988)263

Octadecylsilyl-coated electrodes

Cyclic voltammetry; Micellar solutions; Ferrocene, Hexaammineruthenium(III), Hexacyanoferrate(II), Sodium dodecyl sulphate, Cetyltrimethylammonium bromide, Platinum electrode, Pyrolytic graphite electrode 235(1990)307

Octane number

Partial-least-squares models; Subgraph descriptors 235(1990) 177

Gas chromatography; Process analysis; Petroleum reforming 238(1990)149

Octanol-water partition coefficients

Flow system; Spectrophotometry; Dialyzer 214(1988)315

Odorants

Lipid; Impedance; Piezoelectric crystal 225(1989)399

Pattern recognition; Piezoelectric sensors; Acetoin; Alcohols; Amyl acetate; Menthone; Neural network; Olfactory system; Back-propagation algorithm, Lipid-coated AT-cut quartz crystals 249(1991)323

Odour quality

Cluster analysis; Semantic description 239(1990)73

Odour-sensing system

Conductometry; Pattern recognition; Semiconductor gas sensors 215(1988)155

Ofloxacin

Voltammetry; Adsorptive stripping; Pharmaceuticals 231 (1990)129

Oil-based drilling fluids

Potentiometry; Titrimetry; Calcium 219(1989)147

Oil-spill identification

Pattern recognition; Fluorimetry; Gas chromatography; Mass spectrometry 222(1989)135

Oils

Flow system; Titrimetry; Free acidity 225(1989)431

Gas chromatography; Extraction; Fats; Lipids; Pesticides; Organophosphorus pesticides; Solid-phase extraction cartridges 245(1991)259

Olfactory system

Pattern recognition; Piezoelectric sensors; Acetoin; Alcohols; Amyl acetate; Menthone; Neural network; Odorants; Backpropagation algorithm, Lipid-coated AT-cut quartz crystals 249(1991)323

Oligonucleotides

Mass spectrometry; Biological samples; Proteins; Glycoproteins; Carbohydrates; Matrix-assisted UV/laser desorption/ionization 241(1990)175

Oligosaccharide dehydrogenase

Amperometry; Amylase; Carbohydrate; Lactose; Enzyme electrode 230(1990)75

Oligosaccharides

Mass spectrometry; Laser desorption ionization; Ion cyclotron

resonance; Neuramic acid acetal groups, Pyruvic acid acetal groups 241(1990)187

Mass spectrometry; Bioorganic molecules; Formylaminoethanol; Peptides; Fast atom bombardment, Matrix 241(1990) 219

Olive oil

Flow system; Polyphenols; Extraction; Iterative flow direction change 235(1990)441

Gas chromatography; Mass spectrometry; Cinnamic acid ethyl ester, 4-Vinylphenol 247(1991)295

On-line

Flow system; Fluorimetry; Fluoride; Ternary complex; Calcein blue, Zirconium 230(1990)137

On-line analysis

Sampling; Difficult to handle materials, Non-Newtonian suspensions, Pastes, Cohesive solids, Radioactive materials, Toxic materials 238(1990)11

On-line electrochemical derivatization

Flow system; Spectrophotometry; Etoposide; Plasma; Teniposide; Diode-array detection 202(1987)35

On-line separation

Flow system; Ion exchange; At. abs. spectrometry; Emission spectrometry; Extraction; Gas diffusion; Preconcentration 214(1988)41

Optical activity

At. abs. spectrometry; Liquid chrom.; Computer simulation; Jones and Mueller calculus, Scientific block diagram program 246(1991)9

Optical fibre sensor

Fluorimetry; Coumarin; Near-infrared semiconductor laser; Second-harmonic emission 209(1988)327

Fluorimetry; Fluoride 220(1989)75

Spectrophotometry; Diffuse reflectance; Chlorine; o-Toluidine, Nylon strip, Dry reagent 244(1991)71

Optical fibres

Flow system; Cylindrical flow cells; Cell design theory, Algorithm, Capillary column 234(1990)259

Optical membrane

Spectrophotometry; Trinitrotoluene; Waters; Clear, Amine-containing poly(vinyl chloride) 217(1989)217

Optical multiplexing

Fluorimetry; Naphthyl phenyloxazole; Two-photon excited, Fibre-optic star coupler 215(1988)203

Optical purity

Chromatography; Chiral separation; Micellar electrokinetic chromatography; Trimetoquinol hydrochloride; Laudanosoline, Norlaudanosoline, Laudanosine, Sodium taurodeoxycholate 236(1990)281

Optical sensing

Analyte recognition; Carriers; Enzymes; Molecular interaction; Transduction 250(1991)181

Optical sensor

Reflectance spectrometry; Calcium ion sensor; Chromogenic crown ether 213(1988)251

Optical waveguide

Spectrophotometry; Copper complex; Sensor; Sulphur dioxide 226(1989)153

Optimal computational procedures

Ab-initio calculations on large molecules 210(1988)209

Optimization

Liquid chrom.; Function of mutual information; Capacity factor, Mobile-phase 222(1989)301

Edible oil; Statistics 223(1989)237

Flow system; Ammonia; Indophenol blue, Simplex method, Powell method 241(1990)31

Liquid chrom.; Carboxylic acids; Wine; Derivatization 242 (1990)25

Optimization function

T.l.c.; Amino acid; Multidimensional 223(1989)411

Optosensing

Flow system; Chromatography; Fibre-optic sensor; Ammonia; Phosphate; Thin-layer detector 234(1990)31

Orange juice dilution

Canonical correlation analysis 212(1988)309

Ore leachate

Flow system; Uranium 230(1990)217

Ores

At. abs. spectrometry; Extraction; Metal complexes; Palladium; Ammonium pyrrolidine dithiocarbamate, Methyl isobutyl ketone 217(1989)165

Potentiometry; Fluoride; Slags; Direct fusion 219(1989)335

Liquid chrom.; Rare earth elements; Thorium; Chromium; Ion pairing, Complexes, Precolumn derivatization 237(1990)

Spectrophotometry; Gold; Extraction; Amidines; Methylene blue, Diphenylbenzamidine 237(1990)491

Spectrophotometry; Process analysis; Cyanide; Membrane separation; Metallurgical samples; PTFE membrane, HCN diffusion 238(1990)117

Voltammetry; Vanadium; Linear-sweep, 5-Br-PADAP complex 238(1990)375

At. abs. spectrometry; Flow system; Gold; Preconcentration; Amberlite XAD-8 resin 245(1991)7

Activ. analysis; Geological materials; Gold; Microwave sublimation; Helium-oxygen plasma 248(1991)579

Organic acids

H.p.l.c.; Ion exchange; Fermentation media; Short glass columns 213(1988)227

Gas chromatography; Liquid chrom.; Biological fluids; Serum; Urine; Extraction 236(1990)121

Organic bases

Coulometry; Acetyl ion generation; Oxidation of mercury in acetic anhydride 212(1988)73

Organic compounds

Raman spectrometry; Surface-enhanced, Silver-coated filter paper 208(1988)21

Phosphorimetry; Cyclodextrin enhancement; Room-temperature 217(1989)171

Chemiluminescence 217(1989)371

Mass spectrometry; Membrane probe; Direct insertion 231 (1990)175

N.m.r. spectrometry; Parameter set; sp³-Hybridized carbon atoms, ¹³C chemical shift prediction 233(1990)213

Potentiometry; Flow system; Nickel oxide electrode 243 (1991)279

Organic donor-acceptor electrodes

Voltammetry; Biological molecules 206(1988)75

Organic iodine-containing compounds

Potentiometry; Kinetic analysis 206(1988)375

Organic matrices

Dry ashing; Plasma; Nitrogen; Microwave, Low-pressure oxygen atmosphere 233(1990)321

Organic micropollutants

Voltammetry; Phospholipid-coated mercury electrodes; Waters 207(1988)47

Organic phase

Enzyme electrodes; Biosensors; Review 249(1991)1

Organic pigment

Spectrophotometry; Artists' paint; Derivative, Reflectance 226(1989)293

Organic pollutants

Flow system; Conductometry; Waters; Titanium dioxide; Film reactor; Immobilized 231(1990)13

Flow system; Liquid chrom.; Spectrophotometry; Mass spectrometry; Extraction; Pesticides; Chlorinated phenoxy acids; Waters; On-line continous-flow, Organophosphorus 234 (1990)119

Liquid chrom.; Fish; Waters; Cytotoxicity; In vitro 234(1990) 193

Organic solvents

Flow system; Spectrophotometry; Water traces 220(1989)55

At. abs. spectrometry; Emulsification; Manganese; Zinc; Triton X-100, Bis-2-ethylhexylphosphoric acid 246(1991)347

Organic sulphur compounds

Emission spectrometry; Molecular emission cavity analysis; Electrolytic generation of hydrogen sulphide 202(1987)241

Flow system; Emission spectrometry; Molecular emission cavity analysis; Alkaline hydrolysis 204(1988)285

Organic synthesis design

EROS systems; Haloform reaction, Similarity definitions 235 (1990)65

SYNGEN program 235(1990)103

Symbolic equations, Combinatorial algorithm 235(1990)115

Knowledge-base architecture; Symbolic processing, Numeric processing 235(1990)135

Computer-assisted problem solving; Combinatorial flood, Formal restraint methods 235(1990)155

EROS systems; Automated rule derivation, Machine learning 235(1990)163

Modular CARSA system, Industrial applications, Synthon substitution 235(1990)189

LILITH program, Reactivity prediction 235(1990)209

Organic volatiles

Air; Sampling procedures; Extraction; Pollution 236(1990)197

Organized media

Flow system; Micellar media; Insoluble systems; Thorium; Uranium; Rare earth elements; 1-(2-Pyridylazo)-2-naphthol, Arsenazo III 234(1990)239

Organochlorine pesticides

Diffl. pulse polarography; Micellar solutions; Pesticides; Dieldrin, Endosulfan, Endosulfan sulphate, Surfactants 246 (1991)293

Organochloroaluminate

Raman spectrometry; Ethylaluminium dichloride; Molten salts; Room temperature 240(1991)299

Organohalogens

Flow system; Conductimetry/oscillometry; Combustion; Preconcentration; Air 241(1990)71

Organomercury compounds

Gas chromatography; At. abs. spectrometry; Mercury; Ethylation, Sodium tetraethylborate 248(1991)563

Organomercury halides

Gas chromatography; Biological samples; Fish; Mercury; Speciation; Butylation, Derivatization, Microwave-induced plasma emission detector 249(1991)545

Organometallic compounds

Emission spectrometry; At. abs. spectrometry; Molybdenum; Flame 207(1988)259

Organophosphorus compounds

Spectrophotometry; Air; Inhibition of cholinesterases 217 (1989)43

I.r. spectrometry; Ethylphosphine; Normal coordinate calculations 240(1990)19

Organophosphorus pesticides

Spectrophotometry; Waters; Oxygen-flask combustion 206 (1988)299

H.p.l.c.; Flow system; Extraction; Waters 212(1988)123

Gas chromatography; Mass spectrometry; Chlorotriazine pesticides; Pesticides; Soils 243(1991)259

Gas chromatography; Extraction; Fats; Lipids; Oils; Pesticides; Solid-phase extraction cartridges 245(1991)259

Orthogonal collocation

Cyclic voltammetry; Kinetic analysis; Heterogeneous equivalent formulation; Simulation; Fast second-order reactions 243 (1991)301

Orthogonal regression

H.p.l.c.; Titrimetry; Gravimetry; Anions; Waters 220(1989)207

Orthophosphate

Flow system; Reliability criterion; Method development evaluation 207(1988)111

Oscillating frequency

Piezoelectric crystal; Density, Viscosity 230(1990)41

Oscillating reaction

Kinetic analysis; Cyclic voltammetry; Hexacyanoferrates; Mechanism, Silver plating solution, Photographic solution 236(1990)411

Osmium

Ion exchange; Isotope dilut. analysis; Meteorite; Rhenium; Resonance ionization mass spectrometry 222(1989)291

Spectrophotometry; Flotation; Crystal Violet, Malachite Green 242(1991)185

Spectrophotometry; Kinetic analysis; Pyrogallol red oxidation, Bromate, Osmium catalysis 244(1991)231

Osmotic pump

Immunoassay; Saliva; Testosterone; In situ collection device 248(1991)517

Outlier detection

I.r. spectrometry; Grain 223(1989)95

Ovary cell

Fluorimetry; Chinese hamster; Fluoronitro benzoxadiazole; Phthalaldehyde 223(1989)299

Overtone spectroscopy

Diethyl ether; Pyroelectric detector, Laser power 240(1991)377

Ovalate

Flow system; Amperometry; Enzyme reactor; Immobilized oxalate oxidase 218(1989)1

Spectrophotometry; Dinitrocatechol; Flotation separation; Niobium; Rhodamine B 226(1989)281

Flow system; Kinetic analysis; Amperometry; Photosensitive compounds; Iron (III) 234(1990)227

Ion exchange; Chromatography; Plasma; Enzymatic method; Chloride removal 237(1990)299

Kinetic analysis; Flow system; Urine; Enzyme reactor; Double stopped flow 242(1991)179

Spectrophotometry; Titrimetry; Hydrogen peroxide; Thallimetric photochemical oxidation 242(1991)229

Oxalate oxidase

Ion exchange; Enzyme electrode; Enzyme inhibition; Urine, Oxalate, Thiocyanate 245(1991)129

Oxalic acid

Kinetic analysis; Formic acid; Gasometric 212(1988)303

Spectrophotometry; Factorial design; Hydrogen peroxide 223 (1989)283

Oxazepam

Chemiluminescence; Immunoassay; H.p.l.c.; Urine 205(1988) 249

Diffl. pulse voltammetry; Voltammetry; Camazepam; Temazepam; Benzodiazepines; Human serum albumin, Adsorptive stripping voltammetry 244(1991)49

Oxidation

Liquid chrom.; Thiopurine; Electrochemical activation; Enzymatic activation; Micellar, Horseradish peroxidase 237 (1990)305

Oxidation reactions

Ozone generation; Foam flotation-separation; Cerium; Mini ozonizer 238(1990)427

Oxo-bile acid

Liquid chrom.; Chemiluminescence; Oxo-steroid; Peroxyox-alate 227(1989)21

Oxo-steroid

Liquid chrom.; Tetrahydrofuran; Dansylhydrazones 225 (1989)421

Liquid chrom.; Chemiluminescence; Oxo-bile acid; Peroxyox-alate 227(1989)21

Oxochloroaluminate melts

I.r. spectrometry; Fourier transform, MNDO/3-calculated spectra 240(1990)61

Oxychlorine

Kinetic analysis; Flow system; Chlorine 224(1989)383

Oxyethylated alcohols

Voltammetry; Tensammetry; Accumulation, Hanging mercury drop electrode 202(1987)85

Voltammetry; Tensammetry; Accumulation, Hanging mercury drop electrode, Mixtures 202(1987)97

Oxygen

Fluorimetry; Fibre-optic sensor; Decay time 205(1988)1

Flow system; Amperometry; Chemically sterilizable barrier; Fermentor monitoring; Glucose 216(1989)299

Amperometry; Kinetic analysis; Ion-selective electrodes; Membrane electrodes, Transient response 237(1990)413

Titrimetry; Potentiometry; Superconductors; x in YBa $_2$ Cu $_3$ -O $_{6.5+x}$ 237(1990)421

Oxygen electrode

Potentiometry; Biosensor; Ag/AgCl anode, Gold anode, Silicon wafer, Miniature Clark-type oxygen electrode, Semiconductor technique 233(1990)275

Polarography; Thermom. analysis; Aromatic compounds; Biosensors; *Pseudomonas cepacia*; Calcium alginate gel, Metabolism 249(1991)17

Oxygen free radicals

Electron spin res.; Superoxide; Copper complexes, Hydroxyl radicals 243(1991)221

Oxygen sensor

Fluorimetry; Energy transfer-based optical 212(1988)261

Oyster Tissue

Diffl. pulse voltammetry; Selenium; 3,3'-Diaminobenzidine piazselenol 201(1987)23

Oysters

Principal components; At. abs. spectrometry; Trace metals 248(1991)51

Ozone

Spectrophotometry; Waters; Indirect 215(1988)353

Chemiluminescence; Air; Indigodisulphonate 230(1990)183

Ozone generation

Oxidation reactions; Foam flotation-separation; Cerium; Mini ozonizer 238(1990)427

P

Paint

Voltammetry; Lead; Electro-oxidation, Surfactant 229(1990) 291

Paint solvents

I.r. spectrometry; Xylol; Fourier transform, Butan-1-ol, Butyl acetate, Azeotropic mixtures 242(1991)123

Palladium

Ion exchange; Emission spectrometry; Geological samples; Gold; Plasmas; Platinum 201(1987)95

Electrotherm. atomization; At. abs. spectrometry; Extraction; Platinum; Rocks; Soils; Iodo complexes 204(1988)333

Spectrophotometry; Extraction 207(1988)373

Flow system; Spectrophotometry; Catalysts; Dental alloys 214 (1988)271

At. abs. spectrometry; Extraction; Metal complexes; Ore; Ammonium pyrrolidine dithiocarbamate, Methyl isobutyl ketone 217(1989)165

Spectrophotometry; Extraction 218(1989)111

Liquid chrom.; Acenaphthenequinone dioxime; Dimethyl glyoxime; Naphthalene; Preconcentration 230(1990)17

At. abs. spectrometry; Gold; Platinum; Rhodium; Silver; Selenium; Tellurium; Geological samples; Reductive coprecipitation; Graphite furnace, Mercury collector, Matrix modification 231(1990)273

Kinetic analysis; Extraction; Equilibrium, Mechanism 245 (1991)225

At. abs. spectrometry; Fire assay; Geological materials; Rhodium; Platinum; Rocks; Nickel sulphide 246(1991)365

Ion exchange; Chromatography; Copper; Base metals 248 (1991)535

Palladium halide complex

Potentiometry; Titrimetry; Coated wire electrode; PVC membrane, Aluminium 209(1988)357

Pancuronium

Potentiometry; Ion-selective electrodes; Membrane electrodes; Pharmaceuticals; Tubocurarine; Gallamine; Succinylcholine; Muscle relaxants 238(1990)405

Papain

Electrophoresis; Proteinase; Enzyme activities; Trypsin; Chromogenic substrates, *N*-Benzoyl-DL-arginine *p*-nitroanilide 238(1990)331

Paper

Amperometry; Cyclic voltammetry; Pulp bleaching; Chlorine dioxide; Process analysis; In-line monitoring 238(1990)223

Paracetamol

Flow system; Kinetic analysis; Spectrophotometry; Single bead-string reactor; Optimization 204(1988)29

Flow system; Fluorimetry 231(1990)259

Amperometry; Acetaminophen; Biosensor; Blood; Dry-strip, Screen-printed 248(1991)361

Paraffin inhibitor

Principal components; Crude oil; Oil additive 229(1990)267

Parallel plate laminar flow

Flow system; Laminar dispersion; Mathematical modelling; Convective-diffusion equation, Peclet number, Concentration distribution 247(1991)51

Parameter set

N.m.r. spectrometry; Organic compounds; sp³-Hybridized carbon atoms, ¹³C chemical shift prediction 233(1990)213

Paraoxon

Flow system; Amperometry; Nitrophenol; Parathion 228 (1990)317

Flow system; Enzyme reactor; Pesticides; Organophosphorus, Continuous-flow, Stopped-flow, Immobilized acetylcholinesterase 236(1990)267

Paraquat

Kinetic analysis; Polarography; Biological samples; Photoreduction; Soils; Waters 209(1988)79

Titrimetry; Potentiometry; Diquat; Ion-pair; Bisquaternary cation 226(1989)177

Parathion

Flow system; Amperometry; Nitrophenol; Paraoxon 228 (1990)317

Parenteral solutions

Flow system; Spectrophotometry; Sodium hydrogensulphite 220(1989)281

Partial least squares

Titrimetry; Acid-base 206(1988)125

Principal components; Multivariate component analysis; Trace metals; Tungsten wire 241(1990)147

Principal components; Chemometrics; Cluster analysis; Ethanol; Solvent identification; Tin oxide thin-film sensor array 250(1991)257

Partial least squares modeling

Flow system; Spectrophotometry; Multicomponent determinations 211(1988)1

Octane number; Subgraph descriptors 235(1990)177

Partial least squares regression

Spectrophotometry; Multivariate calibration; Scaling methods 248(1991)459

Partition coefficients

Liquid chrom.; Carboxylic acid; Micelle; Ion-exclusion 230 (1990)9

Flow system; Spectrophotometry; Extraction; Octan-1-ol-water 248(1991)493

Paspalitrems

Liquid chrom.; Mass spectrometry; Mycotoxins; Paxilline, Paspaline, Paspaline, Paspalicine, Diode-array detection, Computer library matching 244(1991)1

Passive monitors

H.p.l.c.; Conductometry; Air; Nitrate; Nitrite; Sulphate 217 (1989)135

Peak characterization

Chromatography; Gram-Charlier series, Edgeworth-Cramér series 249(1991)337

Peak homogeneity

Liquid chrom.; Photodiode-array detector 223(1989)175

Peak parameters

Chromatography; Log-normal model 248(1991)59

Peak profiles

Flow system; Spectrophotometry; Manifold components 220 (1989)293

Peak purity control

Chromatography; Factor analysis 246(1991)379

Peak resolution

H.p.l.c.; Kalman filter 212(1988)81

Peak shape

Flow system; Moment analysis 229(1990)35

Peak temperature history

Raman spectrometry; Calibration; Carbon; Carbon phenolic heat-shields, Multivariate, Loading vectors 240(1990)35

Peanut butter

H.p.l.c.; Amperometry; Aflatoxins 208(1988)343

Pendimethaline

Gas chromatography; Mass spectrometry; Extraction; Waters 208(1988)331

Penicillin

Flow system; Potentiometry; Enzyme reactor; Pharmaceuticals 209(1988)123

Potentiometry; Penicillin amidase; Sensor; Field effect transistor 226(1989)87

Flow system; Amperometry; Pharmaceuticals; Expert system; Enzymatic hydrolysis; Validation program 233(1990)65

Flow system; Biosensor; Field effect transistor; Glucose; Urea; Cephalosporin C; Process analysis 238(1990)201

Potentiometry; Enzyme electrodes; Fermentation broth; Milk; Glass pH electrode, Penicillinase 249(1991)405

Penicillin amidase

Potentiometry; Penicillin; Sensor; Field effect transistor 226 (1989)87

Penicillin fermentation

Flow system; Bioreactors; Fermentation; Membrane modules; Process monitoring; Ammonium, Glucose 249(1991)123

Pentachlorophenol

Mass spectrometry; Gas chromatography; Foods; Honey; Sep-Pak extraction 247(1991)121

Pentadienes

Mass spectrometry; Isomer distinction; Quadrupole ion trap 215(1988)223

Peptides

Fluorimetry; H.p.l.c.; Amino acids; Carboxylic acids; Laser-induced, Selective derivatization 205(1988)15

Electrophoresis; Recombinant DNA technology; Capillary zone 213(1988)215

T.l.c.; Mass spectrometry; Steroids; Surface derivatization; Secondary ion 218(1989)231

Mass spectrometry; Surface excess concentration; Fast atom bombardment 223(1989)349

Flow system; Spectrophotometry; Biological membranes; Protein; *o*-Phthaldialdehyde, Post-column reaction, Subcellular particles 231(1990)249

Mass spectrometry; Structure determination; Computer program; Protein; Antibiotics; MASSPEC, Graphics-based data system 237(1990)459

Potentiometry; Enzyme electrode; Coated-wire electrode, Trypsin, α -Chymotrypsin 239(1990)13

Liquid chrom.; Amino acids; Micellar liquid chromatography, Micellar electrokinetic capillary chromatography, Acid-base ionization constants 239(1990)121

Mass spectrometry; Hybrid tandem, Daughter ion abundance, Leucine-enkephalin, RF-only quadrupole collision cell 241 (1990)201

Mass spectrometry; Bioorganic molecules; Formylaminoethanol; Oligosaccharides; Fast atom bombardment, Matrix 241(1990)219

Ion exchange; Amino acids; Hollow fibres; Nafion membrane; Permeation 244(1991)21

Mass spectrometry; Proteins; Time-of-flight mass spectrometer; Matrix-assisted, Laser desorption, Pulsed nitrogen laser 248(1991)541

Mass spectrometry; Adipokinetic hormones; Hormones; Structure determination; *Locusta migratoria*, Fast atom bombardment, Tandem 248(1991)553

Liquid chrom.; Electrophoresis; Haemoglobin; Isoelectric focusing; Proteins; Anion-exchange, Red blood cells 249(1991) 169

Mass spectrometry; Liquid chrom.; Electrophoresis; Ion exchange; Chromatography; Histone H2A (1–53)-NH₂; Synthesis, Purification, Characterization 249(1991)215

Perchlorate

Flow system; Spectrophotometry; With Brilliant Green 217 (1989)177

Potentiometry; Liquid membrane electrodes; Ion-pair complexes 231(1990)69

Perfluorokerosene

Mass spectrometry; Mass calibrant; Perfluorotributylamine; Poly(perfluoropropylene oxide); Negative ionization, Magnetic sector 229(1990)163

Perfluorotributylamine

Mass spectrometry; Mass calibrant; Perfluorokerosene; Poly(perfluoropropylene oxide); Negative ionization, Magnetic sector 229(1990)163

Periodate

Flow system; Spectrophotometry; Fungicide; Malachite green; Manganese ethylenebisdithiocarbamate 222(1989)269

Permanganate

Spectrophotometry; Flow system 217(1989)183

Peroxidase-like catalysed oxidation

Fluorimetry; Kinetic analysis; Hydrogen peroxide; Glucose; Homovanillic acid; Manganese tetrakis (sulphophenyl)porphyrin-catalysed oxidation 233(1990)299

Peroxyoxalate

Liquid chrom.; Chemiluminescence; Amine; Aminocoumarin; Luminarine 223(1989)309

Liquid chrom.; Chemiluminescence; Oxo-Bile acid; Oxo-Steroid 227(1989)21

Chemiluminescence; Biexponential degradation; Bis(dinitrophenyl) oxalate; Diphenylanthracene 227(1989)37

Chemiluminescence; Carboxylic acids; Luminol; Polyaromatic hydrocarbons 250(1991)145

Pesticide mixture

Fluorimetry; Carbaryl; Fuberidazol; Warfarin; Variable-angle scanning 228(1990)293

Pesticides

Flow system; Amperometry; Fenthion; Fenitrothion 209 (1988)205

Piezoelectric sensing; Antibody-coated sensors; Toluene; Film-free 217(1989)111

Liquid chrom.; Fluorimetry; Glyphosate; Aminomethylphosphonic acid; Waters; Post-column fluorogenic labelling 233 (1990)311

Flow system; Enzyme reactor; Waters; Immobilized acetylcholinesterase, Automated enzyme inhibition, Magnetic device 234(1990)113

Flow system; Liquid chrom.; Spectrophotometry; Mass spectrometry; Extraction; Organic pollutants; Chlorinated phenoxy acids; Waters; On-line continous-flow, Organophosphorus 234(1990)119

Flow system; Spectrophotometry; Capillary flow cell; Optical fibres 234(1990)141

Diffl. pulse polarography; D.c. polarography; Pirimicarb; Carbamates; Tast 234(1990)309

Chromatography; Foods; Sample preparation; High fat 236 (1990)77

Chromatography; Sample preparation; Pharmaceuticals; Biological samples; Serum; Blood; Extraction 236(1990)99

Liquid chrom.; Gas chromatography; Mass spectrometry; Pyrimidinol; Corn 236(1990)173

Flow system; Enzyme reactor; Paraoxon; Organophosphorus, Continuous-flow, Stopped-flow, Immobilized acetylcholinesterase 236(1990)267

I.r. spectrometry; Raman spectrometry; Mirex; Hydrogen-substituted degradation products 240(1990)41

I.r. spectrometry; Gas chromatography; Environmental samples; Polynuclear aromatic hydrocarbons; Fourier transform, Low temperature 240(1990)205

Gas chromatography; Mass spectrometry; Chlorotriazine pesticides; Organophosphorus pesticides; Soils 243(1991)259

Gas chromatography; Mass spectrometry; Water; 2,2-Dimethoxypropane 244(1991)9

Gas chromatography; Extraction; Fats; Lipids; Oils; Organophosphorus pesticides; Solid-phase extraction cartridges 245(1991)259

Diffl. pulse polarography; Micellar solutions; Organochlorine pesticides; Dieldrin, Endosulfan, Endosulfan sulphate, Surfactants 246(1991)293

Petroleum

Gas chromatography; Mass spectrometry; Biomarkers; Hopanes; Triterpanes; Crude oil 235(1990)375

At. abs. spectrometry; Flame; Iron; Nickel; Cobalt; Molybdenum; Catalysts; Microwave oven digestion, Slurry 235(1990)405

Petroleum fractions

Gas chromatography; Precalculation of optimum column temperature 201(1987)207

Petroleum hydrocarbons

Gas chromatography; Mass spectrometry; Solid-phase extraction cartridges 204(1988)135

Petroleum pipelines

Laser Doppler anemometry; Process analysis; Mixers; Jet mixing; Waters; Crude oil 238(1990)251

Petroleum reforming

Gas chromatography; Process analysis; Octane number 238 (1990)149

pН

Flow system; Potentiometry; Ammonia; Hydrazine; Power plant steam cycle 214(1988)367

Binary system 221(1989)295

Amperometry; Superoxide dismutase; Xanthine oxidase 222 (1989)247

Flow system; Potentiometry; Field effect transistor 222(1989) 373

Potentiometry; Liquid junction 223(1989)441

Kinetic analysis; Temperature 224(1989)275

Potentiometry; Ion-selective electrode 229(1990)153

Spectrophotometry; Titrimetry; Fibre optic; Sensor; Acidbase 230(1990)35

Potentiometry; Hydrophobic polymer; Potassium; Ion-sensitive field effect transistor 230(1990)67

Spectrophotometry; Flow system; Waters; Lake, Dye reagents 231(1990)21

Flow system; Ion-sensitive field effect transistor; Ammonium; Waters; Flow-through 231(1990)53

Waters; Sea water; Dye fibre-optic pH sensor; Phenol red, Amberlite resin 232(1990)337

At. abs. spectrometry; Hydride generation; Selenium; Selenium hydride stripping; Acid dissociation 232(1990)405

Flow system; Spectrophotometry; Amperometry; Potentiometry; Power plants; Process analysis; Water-steam cycles; Ionselective electrodes; Control parameters 234(1990)167

Acid dissociation constants; Reference values, Standard solutions, Computer program 239(1990)129

Liquid chrom.; selectivity optimization; Octadecyl-modified silica, Reversed-phase 250(1991)1

pH reference value standards

Potentiometry; 2-Propanol-water mixtures 207(1988)211

pH sensor

Cyclic voltammetry; Waters; Coated-wire electrode; Chemically modified electrode, Poly(4,4'-diaminobiphenyl) 244 (1991)165

pH-static enzyme sensor

Enzyme reactor; Ion-sensitive field effect transistor; Enzymatic membrane 233(1990)49

Pharmaceutical analysis

Principal components; Pattern recognition 223(1989)149

Pharmaceutical preparation

Flow system; Amperometry; Vitamin D 225(1989)247

Spectrophotometry; Dextromethorphan hydrobromide; Phenylpropanolamine hydrochloride; Second-derivative 226 (1989)159

Pharmaceutical sample

Liquid chrom.; Expert system; Ruggedness test 228(1990)145

Pharmaceuticals

Spectrophotometry; T.l.c.; Isoniazid; Second-derivative, Scraped-spot 201(1987)357

Flow system; Serum; Sulphonamides; Urine 204(1988)271

Fluorimetry; Micellar media; Procaine; Solvent, Synchronous 205(1988)139

Diffl. pulse polarography; Hydrazides; Isonicotinic acid hydrazide 206(1988)379

H.p.l.c.; Amperometry; Fluorouracil; Serum; Anodic 207 (1988)183

N.m.r. spectrometry; Metformin hydrochloride 208(1988)321

Flow system; Potentiometry; Enzyme reactor; Penicillin 209 (1988)123

Spectrophotometry; Ampicillin; Cloxacillin; Derivative spectroscopy 209(1988)175

Spectrophotometry; Ascorbic acid 209(1988)309

At. abs. spectrometry; Flow system; Anaesthetics; Indirect, Precipitation 215(1988)241

Kinetic analysis; Spectrophotometry; Acetaminophen 218 (1989)313

Potentiometry; Kinetic analysis; Phytic acid; Urine; Crystalline growth of calcium oxalate 219(1989)89

Kinetic analysis; Potentiometry; Cephalexin; Cetyltrimethylammonium bromide; Sulphamethizole; Micellar catalysis 219(1989)295

Voltammetry; Adsorptive stripping; Ofloxacin 231(1990)129

Flow system; Amperometry; Penicillin; Expert system; Enzymatic hydrolysis; Validation program 233(1990)65

Spectrophotometry; Derivative spectroscopy; Sulphonamide; Bratton-Marshall reaction, Urine, Honey 233(1990)289

Liquid chrom.; Spectrophotometry; Amperometry; Coulometry; Thienodiazepines 234(1990)175

Fluorimetry; Liquid chrom.; Phthalaldehyde; Fluorescamine; Triton; Cyclodextrin 234(1990)187

Flow system; Potentiometry; Diethylbarbiturate; Tubular electrode 234(1990)221

Flow system; At. abs. spectrometry; Methadone 234(1990)433

Chromatography; Sample preparation; Pesticides; Biological samples; Serum; Blood; Extraction 236(1990)99

Gas chromatography; Extraction; Urine; Drugs of abuse, Column lifetime and performance, Fused-silica capillary columns 236(1990)115

Cyclic voltammetry; Diffl. pulse polarography; Celiptium; Carbon paste electrode; Lipid modification 236(1990)299

Chemiluminescence; Quinine; Quinidine; Continuous-flow 236(1990)463

Kinetic analysis; Spectrophotometry; Sulphonamides; Azo dye, Continuous addition of reagent 237(1990)353

Potentiometry; Ion-selective electrodes; Membrane electrodes; Pancuronium; Tubocurarine; Gallamine; Succinylcholine; Muscle relaxants 238(1990)405

Propoxyphene hydrochloride; Spectropolarimetry; Enantiomeric purity 241(1990)115

Mass spectrometry; Probe design; Continuous-flow fast atom bombardment 241(1990)209

Mass spectrometry; Adamantanamines; Biological samples; Mass fragmentography 241(1990)261

Flow system; Fluorimetry; Biosensors; Fibre-optic sensor; Foods; Glutamate; Oxygen optrode, Carbon dioxide optrode 248(1991)351

Spectrophotometry; Derivative spectroscopy; Vitamins; Third-derivative 248(1991)583

Bovine brain tissue; Gangliosides; DNA probes; Quality control; Dot-blot hybridization 249(1991)291

Amperometry; Flow system; Voltammetry; Nafion-coated electrodes; Promethazine; Cations 249(1991)489

Pharmacokinetics

Liquid chrom.; Acetylsalicylic acid; Aspirin; Microdialysis sampling; Rats, In vivo 246(1991)181

Pharmacological prediction

Substructure coding; Toxicological prediction; Graph theory 210(1988)203

Phase separator

Flow system; Extraction; Coaxial, On-line, Benzyl alcohol, Carbon tetrachloride 247(1991)67

Phase-transfer catalysis

Spectrophotometry; Alcohols; Dithiocarbonate 230(1990)203

Phenanthroline

Liquid chrom.; Iron; Sulphosalicylate 224(1989)65

Voltammetry; Copper; Mercury electrode 230(1990)83

Phenol sulphotransferase

Fluorimetry; Enzyme reaction; Hydroxybenzaldehyde substrate, Dexamethasone 234(1990)359

Phenolic acids

Conductometry; Potentiometry; Titrimetry; Triethylamine, Tetrabutylammonium hydroxide 234(1990)339

Phenolic compounds

Cyclic voltammetry; Flow system; Waters; Derivative 214 (1988)375

Phenols

Voltammetry; Graphite electrodes; Methoxyphenols; Polyvinylpyrrolidone coating, Anti-fouling 237(1990)141

Phenols partition equilibria

H.p.l.c.; Anionic micelles 212(1988)171

Phenothiazine derivatives

Phosphorimetry; Paper-substrate, Enhanced 204(1988)247

Phenothiazines

Spectrophotometry; Derivative spectroscopy; Dissociation constants; Sparingly soluble 242(1991)131

Phenylalanine

Flow system; Fluorimetry; Fermentation 213(1988)55

Potentiometry; Amino acids; Tyrosine; Membrane electrodes; Enzyme reaction; Decarboxylase 239(1990)23

Phenylfluorone

Spectrophotometry; Germanium 221(1989)183

Phenylhydrazine

Flow system; Spectrophotometry; Kinetic analysis; Hydrazine; Diode-array 225(1989)115

Phenylmethylaroylpyrazolones

Lutetium; Extraction; Steric effect, Ortho substituents, Trioctylphosphine oxide 239(1990)277

Phenylmethylstearoylpyrazolone

Indium; Preconcentration; Silica gel 230(1990)175

Phenylpropanolamine hydrochloride

Spectrophotometry; Dextromethorphan hydrobromide; Pharmaceutical preparation; Second-derivative 226(1989)159

Phenylthiourea solutions

Polarography; Chlorine; Waters; Linear-sweep, Active 215 (1988)37

Phenytoin

Fluorimetry; Immunoassay; Biosensor; Fibre-optic 227(1989) 135

Pheromones

N.m.r. spectrometry; Dienes; Configurations; Fuzzy classification; ¹³C chemical shifts 233(1990)223

Gas chromatography; Sample preparation; Insects; Capillaries, Micro-reactor 236(1990)227

Phloroglucinols

Flow system; Liquid chrom.; Derivative spectroscopy; Photodiode-array detection, Post-column continous-flow analysis, Computer-aided, Kosins 234(1989)89

Phosphate

Spectrophotometry; Foods; Stopped-flow, Time-difference 203(1987)35

Flow system; Spectrophotometry; Ion exchange; Arsenate; Silicate 204(1988)53

Spectrophotometry; At. abs. spectrometry; Extraction; Sulphide; Fluoride 208(1988)313

Potentiometry; Cobalt phthalocyanine; Poly(vinyl chloride); Coated-wire/field-effect transistor 224(1989)145

Potentiometry; Calcium carbonate; Crystal growth; Urine 229 (1990)249

Flow system; Chromatography; Fibre-optic sensor; Optosensing; Ammonia; Thin-layer detector 234(1990)31

Flow system; Amperometry; Enzyme reactor; Substrate recycling; Co-immobilized purine nucleoside phosphorylase–xanthine oxidase, Co-immobilized purine nucleoside phosphorylase–xanthine oxidase–alkaline phosphatase 238(1990)339

Amperometry; Enzyme electrode; Waters; Hydrogen peroxide, Eutrophication 239(1990)1

Spectrophotometry; Nitrate; Reference materials; Sea water; Autoclaving 248(1991)277

Spectrophotometry; Flow system; Acetate; Fermentation; Process analysis; E. coli 249(1991)101

Chromatography; Ion exchange; Arsenate; Germanate; Silicate; Molybdenum blue reaction, Post-column detection 249 (1991)539

Phosphate glasses

Potentiometry; Ion-selective electrodes; Silver chloride; Alkali metal-free, Anion-selective, Ion chromatography, Electron probe microanalysis 237(1990)135

Phosphatidylcholine

Potentiometry; Choline-sensitive membrane electrode; Serum 217(1989)193

Phosphine oxides

At. abs. spectrometry; Extraction; Metal ions; Cobalt; Nickel; Zinc; Cadmium; Liquid-liquid, 1-Phenyl-3-methyl-4-benzoyl-5-pyrazolone 232(1990)293

Phosphinic resin

Ion exchange; Carboxylic resin; Cation affinity; Sulphonic resin 225(1989)323

Phosphoantimonylmolybdenum blue

Spectrophotometry; Acidity; Kinetics; Molybdate 229(1990)115

Phosphocellulose

Liquid chrom.; Enzyme purification; Recombinant DNA 249 (1991)195

Phospholipid

Mass spectrometry; Immobilization; X-ray photoelectron spectroscopy; Time-of-flight, Secondary-ion 225(1989)369

I.r. spectrometry; Langmuir-Blodgett films; Valinomycin; Fourier transform; ISFET; Potassium; Structural characterization, Micro-ATR 240(1990)29

Phospholipid-coated mercury electrodes

Voltammetry; Organic micropollutants; Waters 207(1988)47

Phosphonic acid resin

Ion exchange; Cation affinity series 209(1988)363

Phosphorus

Electrotherm. atomization; At. abs. spectrometry; Plant materials; Tea leaves 208(1988)351

Flow system; Spectrophotometry; Biological tissues; Aluminium block digestion 209(1988)299

Spectrophotometry; Waters; Vanadomolybdophosphate 211 (1988)119

Spectrophotometry; Flow system; Capillary digestor; Waters 214(1988)229

Electrotherm. atomization; At. abs. spectrometry; Platform 219(1989)127

Opto-acoustic spectroscopy; Molybdenum blue, Anion-exchange resin beads 233(1990)135

Flow system; Spectrophotometry; Waters; Photodiode detector, Simplex reagent optimization, Silicate interference, Molybdophosphate 234(1990)409

Flow system; Amperometry; Microwave digestion; Waters 236(1990)345

Spectrophotometry; Rocks; Minerals; Decomposition, Room temperature 237(1990)251

Flow system; Nitrogen; Waters; Process analysis; Waste-water treatment plant, Biological removal 238(1990)191

Spectrophotometry; Waters; Long capillary cell detector 244 (1991)63

Reverse osmosis; Fresh water 244(1991)269

Photo-cured polymer membrane

Flow system; Potentiometry; Potassium-selective electrode; Valinomycin 204(1988)329

Photo-excitation

Fluorimetry; Hydrolysis; Methoxyquinoline; Ethanol 227 (1989)165

Photo-induced interaction

I.r. spectrometry; Alumina; Fourier transform; Rhenium; Hydroxylated alumina surface 240(1990)211

Photoacoustic spectroscopy

Opto-acoustic spectrom.; Acoustic emission; Enzyme reactions; Catalase, Hydrogen peroxide, Oxygen effervescence 246(1991)43

Photocatalytic oxidation

Conductometry; Total organic carbon; Waters; Carbon dioxide 233(1990)171

Photochemical derivatization

Fluorimetry; Flow system; Reserpine; Pharmaceutical formulations 245(1991)101

Photochemical reaction

Fluorimetry; Mefloquine; Antimalarial 227(1989)325

Photochromic material

Principal components; Pattern recognition; Glass technology 223(1989)247

Photochromism

Kinetic analysis; Spectrophotometry; Norbornadiene derivatives; Tetraphenylporphinecobalt(II); Porous glass beads, Immobilized 243(1991)97

Photodiode-array detector

Liquid chrom.; Peak homogeneity 223(1989)175

Photoelectrochemical detector

H.p.l.c.; Amperometry; Aldehydes; Ketones; Mechanism, Alkyl, Aryl 215(1988)45

Photographic additives

Titrimetry; Potentiometry; Conductimetry/oscillometry; Mesoionic compounds; Silver complexes; Triazolium thiolate complexes; Stability constants, Ostwald ripeners 248(1991)603

Photographic developer

H.p.l.c.; Amperometry; Hydroquinone; Metol; Reversed-phase, Ion-pair 208(1988)337

Photographic fixers

Potentiometry; Flow system; Silver; Indirect 220(1989)287

Photoinduced fluorogenic reactions

Fluorimetry; Flow system; Hydrogen peroxide; 4-Hydroxy-phenylacetic acid 243(1991)207

Photoionization spectroscopy

Flow system; Auto-by-cross correlation; Signal processing; Transient signals; Transient photocurrent, Laser-excited photoionization 248(1991)195

Photolithographic patterning

Ion-selective electrodes; Membrane electrodes; Nitrate; Acrylate-based 243(1991)179

Photomicrography

Fluorimetry; Densitometry; Tissue 227(1989)235

Photon counting system

Chromatography 246(1991)151

Photoreduction

Kinetic analysis; Polarography; Biological samples; Paraquat; Soils; Waters 209(1988)79

Photosensitive compounds

Flow system; Kinetic analysis; Amperometry; Oxalate; Iron(III) 234(1990)227

Phthalaldehyde

Fluorimetry; Chinese hamster; Fluoronitro benzoxadiazole; Ovary cell 223(1989)299

Fluorimetry; Liquid chrom.; Fluorescamine; Triton; Cyclodextrin; Pharmaceuticals 234(1990)187

Physical parameters of liquids

Piezoelectric sensing; Oscillation behaviour 212(1988)61

Physicochemical experiment

Spectrophotometry; Rate constant 221(1989)319

Physiological fluids

H.p.l.c.; Voltammetry; Foods; Disaccharides; Monosaccharides; Electrocatalytic chemically modified electrode 206 (1988)85

Physiological state

Fluorimetry; Bacterial cultures; Fermentation; Mathematical models; Process analysis; *Clostridium acetobutylicum*, NADH fluoresence 249(1991)279

Phytic acid

Potentiometry; Kinetic analysis; Pharmaceuticals; Urine; Crystalline growth of calcium oxalate 219(1989)89

Phytoplankton bloom

Polarography; Voltammetry; Surface-active substances; Humic substances 232(1990)131

Liquid chrom.; Waters; Sea water; Copper; Plankton ecosystem; Metal-organic interactions 232(1990)161

Phytotoxicity

Amperometry; Biosensors; Chloroplast membranes; Thylakoid membranes; Waters; Herbicides, Heavy metals, Photoelectrochemical cell 249(1991)55

Piezoelectric crystal

Lipid; Impedance; Odorant 225(1989)399

Titrimetry; Acid-base 229(1990)205

Oscillating frequency; Density, Viscosity 230(1990)41

Titrimetry; Compleximetric, Precipitation 230(1990)51

Conductimetry/oscillometry; Electrodeless, Mass sensor 243 (1991)273

Metal ions; Adsorption; Oscillation frequency 245(1991)71

Piezoelectric detection

Titrimetry; Conductimetry/oscillometry; Iron; Dichromate, Permanganate, Redox 246(1991)421

Titrimetry; Conductimetry/oscillometry; Iodimetry; Thiosulphate, Thiocyanate, Ascorbic acid, Linear extrapolation 246 (1991)425

Piezoelectric sensor

Quartz crystal resonator; Viscous liquids; Alcohols; Sugars 231(1990)317

Pig kidney

Liquid chrom.; Spectrophotometry; T.l.c.; Carazolol; Tranquillizer 225(1989)137

Pilocarpine

Polarography; Nickel 230(1990)97

Pineapple

Mass spectrometry; Isotope dilut. analysis; Lead; Foods; Isotope systematics; Soldered cans, Welded cans, Clean laboratory 235(1990)367

Pipecuronium bromide

Mass spectrometry; Aminoandrostane quaternary salts; Steroids; Fast atom bombardment, Arduan 241(1990)289

Pirimicarb

Diffl. pulse polarography; D.c. polarography; Carbamates; Pesticides; Tast 234(1990)309

Piston burette

Titrimetry; Sodium hydroxide; Calibration 223(1989)461

Placental lactogen

Immunoassay; Kinetic analysis; α -Fetoprotein; Immunoglobulin G; Fluoride ion-selective electrode 224(1989)329

Planar electrochemical microcell

Voltammetry; Surface modification 219(1989)45

Plankton ecosystem

Liquid chrom.; Waters; Sea water; Copper; Phytoplankton bloom; Metal-organic interactions 232(1990)161

Plant growth regulators

Amperometry; Enzyme electrodes; Amines; Carbon paste-pea seedling sensor, Diamine oxidase, Hydrogen peroxide 243 (1991)1

Plant materials

Electrotherm. atomization; At. abs. spectrometry; Phosphorus; Tea leaves 208(1988)351

H.p.l.c.; Caffeine; Morphine; Quinine; Serum; Supercritical fluid extraction 213(1988)237

Flow system; Solid samples; Sample introduction; Ultrasonic irradiation; Iron; Direct introduction, Leaching 242(1991)283

Diffl. pulse voltammetry; Molybdenum; Waters; Nitrate, 8-Hydroxyquinoline 244(1991)193

Flow system; Spectrophotometry; Turbidimetry/nephelometry; Sulphur; Waters; Two-line manifold 249(1991)479

Plant tissue-vitreous carbon electrodes

Cyclic voltammetry; Diffl. pulse voltammetry; Flow system; Biosensors; Mushroom, Potato, Horseradish 242(1991)259

Plants

Spectrophotometry; Chemical reagents; Manganese 204 (1988)355

Flow system; At. abs. spectrometry; Zinc; Flame 206(1988)253

Voltammetry; Cobalt; Adsorption stripping 207(1988)103

Potentiometry; Fluorine; Vegetables; Open-flame ashing, Microdiffusion 212(1988)133

Kinetic analysis; Flow system; Spectrophotometry; Ion exchange; Molybdenum 214(1988)239

Isotope dilut. analysis; Extraction; Sulphur 219(1989)97

Plasma

Fluorimetry; Salicylate 201(1987)335

Flow system; Spectrophotometry; Etoposide; On-line electrochemical derivatization; Teniposide; Diode-array detection 202(1987)35

Fluorimetry; Enzyme activities; Microlitre volumes 205(1988) 97

Potentiometry; Pyridostigmine; Enzymatic 206(1988)57

Fluorimetry; Chloroquine; Extraction 206(1988)339

Amperometry; Flow system; Glucose; Lactic acid; Computer-controlled 209(1988)231

Flow system; Spectrophotometry; Glucose 214(1988)455

H.p.l.c.; Doxorubicin; Reversed-phase ion-pair 217(1989)149

Fluorimetry; Liquid chrom.; Adenine derivative; Chloroacetaldehyde; Chlorofluorobenzyladenine 227(1989)189

Liquid chrom.; Calcium channel; Chloroquine 228(1990)155

Enzyme reactor; Blood; Glucose; Cellulose membranes; Dialysis cell, NADH, Haematocrit 231(1990)165

N.m.r. spectrometry; Contrast agents; Computer simulation; NMR imaging, Diethylenetriaminepentaacetic acid complexes, Equilibria 233(1990)85

Liquid chrom.; Azidothymidine; AZT, AIDS, Dialysis, Preconcentration, Silver(I)-thiol 236(1990)165

Potentiometry; Enzyme reactor; Pyridostigmine; Calibration; Optimization 236(1990)431

Amperometry; Hydroxybutyrate; Blood; Biosensor; Enzyme electrodes; Platinized carbon electrode, NADH 237(1990)99

Ion exchange; Chromatography; Oxalate; Enzymatic method; Chloride removal 237(1990)299

Liquid chrom.; Prednisolone; Prednisone; Fluorescence detection, Quinoxaline derivatives 242(1991)113

Plasmas

Ion exchange; Emission spectrometry; Geological samples; Gold; Palladium; Platinum 201(1987)95

Spectrophotometry; Emission spectrometry; Silica speciation; Waters; High-purity, Inductively coupled 204(1988)339

Principal components; Emission spectrometry; Inductively-coupled 206(1988)203

H.p.l.c.; Emission spectrometry; Geological samples; Rareearth elements; Inductively-coupled 207(1988)149

Emission spectrometry; Extraction; Geological materials; Silver 207(1988)171

Emission spectrometry; Computer-controlled rapid-scanning echelle monochromator; Sediments; Soils; Trace elements; Inductively-coupled 207(1988)269

Emission spectrometry; Liquid chrom.; Geological samples; Rare earth elements; Inductively-coupled, Oxalate coprecipitation, Cation-exchange 208(1988)163

Emission spectrometry; Simplex optimization; Multi-element, Inductively-coupled, Wide-bore injector, Minimum interference 209(1988)135

Mass spectrometry; Signal suppression; Trace metals; Inductively-coupled, Internal standard 211(1988)91

Emission spectrometry; H.p.l.c.; Flow system; Microliter samples, Peak-shaped input, Inductively-coupled 215(1988)143

Mass spectrometry; Review; Plasma source 216(1989)1

Flow system; Emission spectrometry; Boron; Waters; Inductively coupled 218(1989)69

Emission spectrometry; Ruthenium; Enhancement by periodic acid, Inductively coupled 218(1989)77

At. fluor. spectrometry; Environmental samples; Inductively coupled, Gas-phase atomization 231(1990)85

Mass spectrometry; Waters; Sea water; Barium; Isotope dilution; Inductively coupled 232(1990)323

Gas chromatography; Solvent venting interface; Microwave-induced 233(1990)149

Emission spectrometry; Chromium; Inductively coupled, Simultaneous trace element determination 233(1990)243

Dry ashing; Organic matrices; Nitrogen; Microwave, Lowpressure oxygen atmosphere 233(1990)321

Emission spectrometry; Arsenic; Inductively coupled, Tandem on-line continuous separation 234(1990)133

Flow system; Matrix matching; Waters; Salinity; Inductively coupled, Sodium 234(1990)207

Gas chromatography; Methylmercury; Waters; Sea water; Microwave-induced plasma detection, Headspace, Dithiocarbamate resin preconcentration, Speciation 234(1990)417

Mass spectrometry; Laser ablation; Rocks; Minerals; Geological materials; Inductively coupled 235(1990)381

At. abs. spectrometry; Gold; Silver; Graphite furnace, Zeeman effect background correction, Copper-gold-silver salt mixture, Rat, Anti-inflammatory 235(1990)393

Activ. analysis; Mass spectrometry; Emission spectrometry; Rare earth elements; Rocks; Isotope dilution, Inductively coupled 236(1990)487

Emission spectrometry; At. abs. spectrometry; Electrotherm. atomization; Vanadium; Titanium; Steel; Inductively coupled, Tungsten boat atomizer 239(1990)139

Mass spectrometry; Boron; Titanium; Inductively coupled; Reference material, Homogeneity 244(1991)115

Mass spectrometry; Lithium; Biological samples; Serum; Foods; Inductively coupled, Standard Reference Materials 244(1991)259

Mass spectrometry; Isotope dilution; Sea water; Uranium; Waters; Marine sediment pore waters 245(1991)83

Emission spectrom.; Boron; Direct current; Silica; Acid decomposition, Mannitol 245(1991)207

Flow system; Alloys; Stainless steels; Inductively coupled, Multi-elemental analysis, Flow-through electrolytic cell 245 (1991)211

Emission spectrom.; Germanium compounds; Inductively coupled 247(1991)1

Flow system; Emission spectrom.; Preconcentration; Sea water; Trace metals; Urine; Waters; Inductively coupled, Chelating resin 248(1991)241

Emission spectrom.; Geological materials; Gold; D.c. argon plasma 248(1991)569

Mass spectrometry; Biological samples; Inductively coupled, Bovine liver, Fish tissue 249(1991)495

Emission spectrom.; Spectrophotometry; Geological materials; Silica; Centrifugation, Differentiation of colloidal and dissolved silica, Filtration, Inductively coupled, Tuffs 249 (1991)509

Mass spectrometry; Elemental analysis; Laser desorption; Inductively coupled, Time-of-flight 250(1991)61

Emission spectrom.; Magnesium; Inductively coupled, Optimization 250(1991)85

Plasminogen activator

Liquid chrom.; Glycoprotein variants; Hydrophobic interaction chromatography; Proteins 249(1991)201

Plasticizer

Potentiometry; Lanthanum polyalkoxylate complex; Poly(vinyl chloride) 223(1989)449

Platelet antibodies

Fluorimetry; Standardization 227(1989)251

Platinum

Ion exchange; Emission spectrometry; Geological samples; Gold; Palladium; Plasmas 201(1987)95

Electrotherm. atomization; At. abs. spectrometry; Extraction; Palladium; Rocks; Soils; Iodo complexes 204(1988)333

X-ray fluores. spectrometry; Catalysts; Comparison 209(1988) 185

Voltammetry; Sea water; Cathodic stripping 211(1988)129

At. abs. spectrometry; Trace metals; Flame, Pulse aspiration 211(1988)311

At. abs. spectrometry; Emission spectrometry; Mass spectrometry; Gold; Solvent extraction; Zeeman effect, Graphite furnace 229(1990)227

At. abs. spectrometry; Gold; Palladium; Rhodium; Silver; Selenium; Tellurium; Geological samples; Reductive coprecipitation; Graphite furnace, Mercury collector, Matrix modification 231(1990)273

At. abs. spectrometry; Iridium; Rhodium; Ruthenium; Matrix extraction, Graphite furnace 236(1990)385

At. abs. spectrometry; Fire assay; Geological materials; Palladium; Rhodium; Rocks; Nickel sulphide 246(1991)365

Platinum group metals

H.p.l.c.; Ion exchange; Gold; Chloro complexes, Bonded phase silica 220(1989)195

Platinum microparticle

Amperometry; Glucose oxidase; Polypyrrole 228(1990)311

Platinum-iridium electrode

Voltammetry; Anod. stripping voltammetry; Mercury film, Cyclic voltammetry 234(1990)275

Platinum-silica catalysts

I.r. spectrometry; Carbon monoxide; Nitric oxide; Adsorption 240(1990)139

Plutonium

Liquid chrom.; Extraction; Soils; α-Spectrometry 220(1989)103

Plutonium nitride

Gas chromatography; Nitrogen; Nuclear fuels; Uranium nitride; Oxidation, Glove-box 239(1990)107

Polar compounds

Mass spectrometry; Fuels; Methanol chemical-ionization 211 (1988)83

Polarization

I.r. spectrometry; Dichroism; Fourier transform, Linear and circular dichroic spectra 240(1990)145

I.r. spectrometry; Grazing incidence; Reflection-absorption; Organic thin films, Enhancement 240(1991)305

Polichrom A

Atmosphere; Preconcentration; Volatile organic compounds 226(1989)213

Poly(dithiocarbamate) resin

Ion exchange; Preconcentration; Ion-exchange-chelating resin, Phase ratio 235(1990)427

Poly(ester-sulfonic acid) coatings

Ion exchange; Flow system; Biosensors; Glucose sensors 245 (1991)139

Poly(ethylene) state density

Molecular dynamics simulation; Temperature dependence, Multiple signal classification 235(1990)143

Poly(ethyleneimine)

Membrane filtration; Metal ion; Quinolinol 230(1990)171

Poly(hydroxamic acid) resin

Flow system; At. abs. spectrometry; Chromium; Preconcentration 236(1990)469

Poly(hydroxyethyl methacrylate)

Potentiometry; Sensor; Silylation; Semiconductor, Ion-sensitive field effect transistor 230(1990)59

Poly(methylthiophene) conducting film

Potentiometry; Iodide; Ion-selective electrodes; Graphite-coated electrode 248(1991)163

Poly(perfluoropropylene oxide)

Mass spectrometry; Mass calibrant; Perfluorokerosene; Perfluorotributylamine; Negative ionization, Magnetic sector 229 (1990)163

Poly(vinyl alcohol)

Amperometry; Enzyme electrodes; Lactate; Gamma irradiation; Lactate oxidase, Platinized graphite, Hydrogen peroxide 243(1991)23

Poly(vinyl chloride)

Fluorimetry; Reflectance spectrometry; Fibre optic; In situ; Sensor; Trinitrotoluene 221(1989)1

Potentiometry; Naphtho-crown ether; Potassium; Ionophore 222(1989)253

Potentiometry; Lanthanum polyalkoxylate complex; Plasticizer 223(1989)449

Potentiometry; Cobalt phthalocyanine; Phosphate; Coatedwire/field-effect transistor 224(1989)145

Raman spectrometry; Polyene sequence length; Dehydrochlorination; Resonance, Nickel(II) maleate 240(1990)97

Polyacrylic acid

Polarography; Cadmium; Polymethacrylic acid; Zinc 229 (1990)93

Polyamines

Spectrophotometry; Flow system; Amine oxidases; Enzyme reactor; Cells; Immobilized, Hydrogen peroxide, Sepharose 237(1990)391

Polyamino acids

Liquid chrom.; Viscometry; Continuous differential, Polybenzyl glutamate, Poly-L-tryptophan 249(1991)209

Polyaniline-Nafion electrode

Flow system; Chromatography; Ion exchange; Cyclic voltammetry; Alkaline earth metal ions; Alkali metal ions 246(1991) 275

Polyaromatic hydrocarbons

Chemiluminescence; Carboxylic acids; Luminol; Peroxyoxalate 250(1991)145

Polyaza macrocycles

Potentiometry; Brønsted acids; Dissociation constants; Polyoxa-polyaza macrocycles; Water, Deuterium oxide 245(1991) 271

Polyazamacrocycles

At. abs. spectrometry; Waters; Sea water; Manganese; Preconcentration; Graphite furnace, Immobilized, Poly(vinylbenzyltetraaza-1,4,8,11-cyclotetradecane) 232(1990)331

Polycarbonate membrane

Enzyme electrodes; Glucose; Blood; Hydrogen peroxide, Isopropyl myristate 232(1990)357

Polycyclic aromatic hydrocarbons

Gas chromatography; Barium sulphophthalocyanines; Cobalt phthalocyanine; Adsorption, Thermal desorption 224(1989)1

Liquid chrom.; Fluorimetry; Waters; Air; Reversed-phase 234(1990)269

Gas chromatography; Soils; Spiking procedure, 2-Methoxyethanol extraction 237(1990)451

Fluorimetry; Waters; Sea water; Pulsed-laser, fibre-optic-based system, Decay times, Time-resolved 239(1990)45

Liquid chrom.; Extraction; Supercritical fluid extraction; Supercritical fluid chromatography, Microextractor cell geometry 248(1991)263

Polyelectrolytes

Conductometry; Titrimetry; Humic acids 232(1990)141

Polyene sequence length

Raman spectrometry; Poly(vinyl chloride); Dehydrochlorination; Resonance, Nickel(II) maleate 240(1990)97

Polyethylene glycol

Flow system; Molecular weight sensing; Refractive index gradient detection 246(1991)241

Polyimide films

I.r. spectrometry; Fourier transform; Silicon electronic devices; Langmuir-Blodgett films; Attenuated total reflectance 240(1990)81

Lanthanide complexation; Erbium; Circular dichroism spectroscopy; Factor analysis; Kalman filter 246(1991)1

Polymer melts

I.r. spectrometry; Process analysis; Fourier transform 238 (1990)83

Polymer modified electrodes

Anod. stripping voltammetry; Diffl. pulse voltammetry; Mercury electrodes; Copper; Lead; Cadmium 238(1990)345

Polymer stressing

Opto-acoustic spectrom.; Acoustic emission characterization; Potassium nitrate recrystallization; Descriptor distributions 246(1991)23

Polymer swelling

Fluorimetry; Fibre-optic sensor; Salt concentrations; Optical displacement, Sulphonated dextran, Sulphonated polystyrene 249(1991)373

Polymer-coated electrodes

Amperometry; Cyclic voltammetry; Electropolymerization; Glassy carbon electrodes; Resole prepolymer mixtures; Continuous-flow sensing 249(1991)395

Polymer-modified electrodes

Immunoassay; Voltammetry; Cyclic voltammetry; Anti-HSA; HSA; Immunosensors; Polypyrrole 249(1991)381

Polymeric materials

Conformational analysis; Structure/activity relations 235 (1990)229

Polymers

Mass spectrometry; Potassium-ion ionization, Desorbed species 208(1988)99

Spectrophotometry; Carboxyl groups 219(1989)161

Polymethacrylic acid

Polarography; Cadmium; Polyacrylic acid; Zinc 229(1990)93

Polynomial curve-fitting

Calibration; Computer program; STATCAL-CALIBRA 241 (1990)1

Polynomial filter

Spectrophotometry; Fourier-transform filter; Savitzky-Golay filter 222(1989)335

Polynuclear aromatic hydrocarbons

Emission spectrometry; Afterglow discharge 201(1987)317

Pattern recognition; Prediction of carcinogenicity 202(1987) 237

H.p.l.c.; Fluorimetry; Carbon black extract; Shpol'skii effect 208(1988)183

Chemiluminescence; Micellar solution, Electrogenerated 215 (1988)341

Gas chromatography; Mass spectrometry; Air; Diesel particulate; Nitrated polynuclear aromatic hydrocarbon 221(1989)53

Fluorimetry; Liquid chrom.; Argon-ion laser 227(1989)173

Liquid chrom.; Injection system; Sample introduction, Correlation chromatography 228(1990)193

Fluorimetry; Electrophoresis 229(1990)295

Liquid chrom.; Cyclodextrin complexes; Formation constants; Solubility; Non-inclusional assocation, Temperature dependence 232(1990)239

Fluorimetry; Shpol'skii technique; Mussels; Terns; Biological samples 232(1990)245

Flow system; Chemiluminescence; Electroluminescent compounds; Micelle-encapsulated, 9,10-Diphenylanthracene, Oxide-covered aluminium electrode 233(1990)199

Fluorimetry; Shpol'skii technique; Computerized data acquisition and processing 233(1990)207

I.r. spectrometry; Gas chromatography; Environmental samples; Pesticides; Fourier transform, Low temperature 240 (1990)205

Fluorimetry; Liquid chrom.; Solubilization; Benzo[a]pyrene; Coal washing water 243(1991)115

Chromatography; Fluorescence quenching; Nitromethane 246(1991)65

Mass spectrometry; Kinetic analysis; Gas chromatography; Halogenated hydrocarbons; Chemical ionization, Fourier transform ion cyclotron resonance 246(1990)199

Polyolefins

Chromatography; Headspace analysis; Correlation chromatography 248(1991)271

Polyoxa-polyaza macrocycles

Potentiometry; Brønsted acids; Dissociation constants; Polyaza macrocycles; Water, Deuterium oxide 245(1991)271

Polyphenols

Flow system; Olive oil; Extraction; Iterative flow direction change 235(1990)441

Polyprotic acid

Gauss-Newton method; Ionization constant 222(1989)359

Polypyrrole

Amperometry; Glucose oxidase; Platinum microparticle 228 (1990)311

Immunoassay; Voltammetry; Cyclic voltammetry; Anti-HSA; HSA; Immunosensors; Polymer-modified electrodes 249 (1991)381

Polypyrrole-based sensor

Hydrazine; Ammonia; Air; Acrylic strips 239(1990)257

Polystyrene

Gas chromatography; Styrene monomer; Toluene solvent, Headspace 218(1989)345

I.r. spectrometry; Silica; Simulated spectra; Dielectric function 240(1990)187

Polythioether

Metal ion; Separation; Tetrathioether 221(1989)99

Polyurethane foam

Ion exchange; Dowex; Retention behaviour; Hydrochloric acid-potassium thiocyanate 229(1990)127

X-ray fluores. spectrometry; Germanium; Extraction; Molyb-dogermanate 238(1990)423

Pore water

X-ray fluores. spectrometry; E.s.r.; Coprecipitation; Manganese 222(1989)169

Porphyrin microsensors

Diffl. pulse voltammetry; Biological cells; Biosensors; Nickel; Carbon fibre ultramicroelectrodes, Single cells 249(1991)35

Porphyrins

Mass spectrometry; Alkylporphyrins; Fast atom bombardment, Copper-induced dealkylation 241(1990)233

Mass spectrometry; Metalloporphyrins; Fast atom bombardment, Demetallation 241(1990)281

Potassium

Flow system; Spectrophotometry; Extraction; Sodium; Waters; Silica column 214(1988)289

Ion exchange; Potentiometry; Liquid chrom.; Alkali metal ion; Valinomycin; Replacement ion chromatography 222(1989)95

Potentiometry; Naphtho-crown ether; Poly(vinyl chloride); Ionophore 222(1989)253

Potentiometry; Hydrophobic polymer; pH; Ion-sensitive field effect transistor 230(1990)67

Ion-sensitive field effect transistor; Membrane materials; Silicone rubber; Polymers 231(1990)41

Potentiometry; Blood; Serum; Ion-selective electrodes; Silicon rubber tubular electrode, Valinomycin-treated 231(1990)125

Spectrophotometry; Ion sensor; Lipophilic anionic dye; N-2,4-Dinitro-6-octyloxyphenyl-2',4'-dinitro-6'-trifluoromethylphenylamine, Neutral ionophore, Dibenzo-18-crown-6, Valinomycin 237(1990)155

Potentiometry; Ion-selective electrodes; Prussian blue; Thin films, Membranes 239(1990)7

I.r. spectrometry; Langmuir-Blodgett films; Phospholipid; Valinomycin; Fourier transform; ISFET; Structural characterization, Micro-ATR 240(1990)29

Spectrophotometry; Cryptahemispheraplexes; Chromogenic, Cryptand, Spherand 241(1990)127

Potentiometry; Ion-selective electrodes; Glassy carbon, Cobalt(II)-hexacyanoferrate(III) film 244(1991)39

Flow system; Voltammetry; Ion-sensitive field-effect transistors; Serum; Urine; Wall-jet cell, Silicone-rubber membrane 245(1991)159

Potentiometry; Alcohols; Membrane sensors; PVC-valinomycin 248(1991)323

Potassium chloride

Spectrophotometry; Flow system; Sulphite; Brine; Process analysis; 5,5'-Dithiobis(2-nitrobenzoic acid) 238(1990)171

Potassium ion-selective electrode

Potentiometry; Pyridine-based macrocylic ionophore 208 (1988)283

Potassium nitrate recrystallization

Opto-acoustic spectrom.; Acoustic emission characterization; Polymer stressing; Descriptor distributions 246(1991)23

Potassium selective electrode

Flow system; Potentiometry; Photo-cured polymer membrane; Valinomycin 204(1988)329

Potentiometry; Ultraviolet laser cured membrane 219(1989) 135

Potentiometry; Comparison, Monoaza crown ethers, plasticizers 219(1989)141

Power plant steam cycle

Flow system; Potentiometry; Ammonia; Hydrazine; pH 214 (1988)367

Power plants

Flow system; Spectrophotometry; Amperometry; Potentiometry; Process analysis; Water-steam cycles; pH; Ion-selective electrodes; Control parameters 234(1990)167

Preconcentration

Flow system; Ion exchange; At. abs. spectrometry; Emission spectrometry; Extraction; Gas diffusion; On-line separation 214(1988)41

Spectrophotometry; Flow system; Ion exchange; Geological samples; Uranium 214(1988)279

Spectrophotometry; Flow system; Brine; Calcium; Magnesium 214(1988)439

Flow system; At. abs. spectrometry; Extraction; C-18 bonded silica 216(1989)243

Gas chromatography; Methylmercury; Natural waters 221 (1989)259

Chromium; Macroporous resin; Quinolinol; Sea water 224 (1989)55

Activ. analysis; Lead; Graphite furnace, Biological matrix 224(1989)139

At. abs. spectrometry; Mercury; Seawater; Platinum-lined graphite furnace 225(1989)175

Atmosphere; Polichrom A; Volatile organic compounds 226 (1989)213

Cyclic voltammetry; Modified electrode; Tifluadom 228(1990) 265

Flow system; Porous electrode 228(1990)323

Amperometry; Chelating resin; Modified electrode; Silver; Carbon paste electrode 229(1990)213

Liquid chrom.; Acenaphthenequinone dioxime; Dimethyl glyoxime; Naphthalene; Palladium 230(1990)17

Flow system; Spectrophotometry; Crown ether; Extraction; Lead 230(1990)157

At. abs. spectrometry; Cellulose sorbent; Copper; Quinolinol 230(1990)163

Indium; Phenylmethylstearoylpyrazolone; Silica gel 230(1990) 175

Aminopropyltriethoxysilane; Metal ion; Silica gel 230(1990)179

Emission spectrometry; Nickel; Microwave-induced plasma; Biological samples; Nickel carbonyl, Chromosorb 231(1990)265

At. abs. spectrometry; Waters; Sea water; Manganese; Polyazamacrocycles; Graphite furnace, Immobilized, Poly(vinylbenzyltetraaza-1,4,8,11-cyclotetradecane) 232(1990)331

At. abs. spectrometry; Cobalt; Extraction; Liquid surfactant membranes; Graphite furnace, Liquid-liquid 232(1990)389

Chromatography; Spectrophotometry; Copper; Zinc; Cadmium; Extraction; Reversed-phase partition, 2-(5-Bromo-2-pyridylazo)-5-dimethylaminophenol stationary phase 232 (1990)393

Flow-through porous electrodes; Metal ions; Mathematical model 232(1990)401

Flow system; Spectrophotometry; Boron; Waters; Azomethine-H complex 234(1990)199

Liquid chrom.; At. abs. spectrometry; Mercury; Speciation; Waters; Waste waters, Cold vapour, Microcolumn 235(1990) 399

Ion exchange; Poly(dithiocarbamate) resin; Ion-exchange-chelating resin, Phase ratio 235(1990)427

At. fluor. spectrometry; Mercury; Air; Gold amalgamation, Cold vapour 236(1990)371

At. abs. spectrometry; Waters; Environmental samples; Lead; Cadmium; Copper; Zinc; Evaporation; Snow, Ice, Contamination 236(1990)391

Flow system; At. abs. spectrometry; Chromium; Poly(hydroxamic acid) resin 236(1990)469

Gas chromatography; Review; Waters; Trace organic compounds; Liquid-liquid extraction, Solid sorbents, Headspace techniques, Gas extraction, Volatile compounds 237(1990)1

At. abs. spectrometry; Cobalt; Aluminium alloys; Steels; Tetradecyldimethylbenzylammonium thiocyanate adsorbent, Naphthalene support, Nitroso-R salt 237(1990)201

Actinides; Urine; Alpha spectrometry; Octyl(phenyl)-N,N-diisobutylcarbamoylmethylphosphine oxide extractant 238 (1990)263

Ion exchange; At. abs. spectrometry; Chromium; Waters 238 (1990)273

Ion exchange; Chromatography; Spectrophotometry; Aluminium; Pyrocatechol violet, Aqueous samples 238(1990)279

At. abs. spectrometry; Nickel; Waters; Cellulose ion exchangers, Cellex CM, Graphite furnace 238(1990)285

Activ. analysis; Rare earth elements; Biological samples; Substoichiometric precipitation, Calcium oxalate 239(1990)115

Flow system; Conductimetry/oscillometry; Organohalogens; Combustion; Air 241(1990)71

Diffl. pulse voltammetry; Iron; Waters; Aluminium; Carbon paste electrodes; Nafion modifier, 1,10-Phenanthroline modified 241(1990)137

Spectrophotometry; Trace elements; Copper; Reductive matrix precipitation, Copper oxide, Copper thiocyanate 242 (1991)99

At. abs. spectrometry; Waters; Nickel; Extraction; Graphite furnace, Dithiocarbamate complex, Xylene 242(1991)209

X-ray fluores. spectrometry; Rare earth elements; Quinolin-8ol complexes, Activated carbon 242(1991)215

Amperometry; Enzyme electrodes; Biocatalytic accumulation; Glucose 243(1991)17

At. abs. spectrometry; Flow system; Gold; Ores; Amberlite XAD-8 resin 245(1991)7

Flow system; At. emission spectrom.; Plasmas; Sea water; Trace metals; Urine; Waters; Inductively coupled, Chelating resin 248(1991)241

Activ. analysis; At. abs. spectrometry; Cadmium; Cobalt; Copper; Mercury; Trace metals; Waters; Zinc; Poly(acrylamidoxime) resin 249(1991)533

Chromatography; Ion exchange; Cyanides; Ion-interaction chromatography; Metallo-cyanides 250(1991)21

Prediction of carcinogenicity

Pattern recognition; Polynuclear aromatic hydrocarbons 202 (1987)237

Prediction of spectra

N.m.r. spectrometry; Artificial intelligence; Carbon-13, Coding system 217(1989)85

Prednisolone

Spectrophotometry; Hydrocortisone; Tetrazolium salt 212 (1988)273

Liquid chrom.; Prednisone; Plasma; Fluorescence detection, Quinoxaline derivatives 242(1991)113

Prednisone

Liquid chrom.; Prednisolone; Plasma; Fluorescence detection, Quinoxaline derivatives 242(1991)113

Predominance-zone diagrams

Complexation equilibria; Equilibria; Multiconditional constants 246(1991)435

Pressure decomposition

Biological material; Nitric acid 226(1989)1

Biological material; Nitric acid 226(1989)17

Voltammetry; Biological material; Nitric acid 226(1989)31

Pressure tuning vibrational spectroscopy

I.r. spectrometry; Raman spectrometry; Hydrostatic pressure, Sodium and potassium decanoate 240(1990)151

Printed liquidic circuits

Immunoassay; Clinical test devices; Disposable analytical devices; Switch devices 249(1991)263

Printed strip electrochemical sensor

Amperometry; Ascorbic acid; Foods; Graphite, Tetracyanoquinodimethane modifier 243(1991)173

Probabilistic classification

Pattern recognition; SIMCA, ALLOC, CLASSY, LDA 209 (1988)1

Probability theory

Voltammetry; Digital simulation; Theoretical analysis of response 201(1987)295

Probe design

Mass spectrometry; Pharmaceuticals; Continuous-flow fast atom bombardment 241(1990)209

Procaine

Fluorimetry; Micellar media; Pharmaceuticals; Solvent, Synchronous 205(1988)139

Process analysis

Dynamic process model 216(1989)307

Flow system; Hydraulic model; Mathematical model 229 (1990)183

Flow system; Spectrophotometry; Amperometry; Potentiometry; Power plants; Water-steam cycles; pH; Ion-selective electrodes; Control parameters 234(1990)167

Flow system; Sequential injection; Sinusoidal flow 237(1990) 329

Sampling, Transduction, Signal processing 238(1990)3

Gas chromatography; Liquid chrom.; Deferred standard 238 (1990)17

Instrument maintenance 238(1990)45

Time-series analysis; Cusum technique 238(1990)55

Teaching; Education 238(1990)63

Automation; Robots; Biological oxygen demand; Yoghurt; Acidity 238(1990)71

Structured methods; Systems analysis; Specification techniques 238(1990)79

I.r. spectrometry; Polymer melts; Fourier transform 238 (1990)83

I.r. spectrometry; Fuel quality; Fibre optics; Multivariate calibration; Gasoline; Diesel fuel; Octane number, Cetane number 238(1990)95

Mass spectrometry; Fermentation gas analysis; Error analysis; Poly-β-hydroxybutyrate, *Alcaligenes latus*, *Bacillus subtilis* 238(1990)101

Spectrophotometry; Cyanide; Membrane separation; Ores; Metallurgical samples; PTFE membrane, HCN diffusion 238 (1990)117

Gas chromatography; Deferred standard technique 238(1990) 129

Gas chromatography; Concentration profile measurements; Distillation column control; Parameter estimation, Watermethanol-isopropanol 238(1990)139

Gas chromatography; Petroleum reforming; Octane number 238(1990)149

Titrimetry; Ion exchange; Chromatography; Gas treatment; Sulphur; Thiols; Automated titrator 238(1990)161

Spectrophotometry; Flow system; Sulphite; Brine; Potassium chloride; 5,5'-Dithiobis(2-nitrobenzoic acid) 238(1990)171

Flow system; Phosphorus; Nitrogen; Waters; Waste-water treatment plant, Biological removal 238(1990)191

Flow system; Biosensor; Field effect transistor; Glucose; Urea; Penicillin; Cephalosporin C 238(1990)201

Thermom. analysis; Biosensor; Enzyme thermistor; Sugars; Glucose, Maltose, Sucrose, Fermentation 238(1990)211

Amperometry; Cyclic voltammetry; Pulp bleaching; Paper; Chlorine dioxide; In-line monitoring 238(1990)223

Tomatoes; Colour monitoring, Tristimulus colorimeters 238 (1990)231

Laser Doppler anemometry; Mixers; Jet mixing; Petroleum pipelines; Waters; Crude oil 238(1990)251

Flow system; Fluorimetry; Biosensors; Fermentation; Field-effect transistors; Thermistors; Ethanol, Mannitol, Penicillin, Urea, Sugars 249(1991)25

Flow system; Spectrophotometry; Bioprocess monitoring; Fermentation; Glucose ammonia proteins; Diode-array, Stopped-flow 249(1991)77

Spectrophotometry; Flow system; Acetate; Fermentation; Phosphate; E. coli 249(1991)101

Flow system; Turbidimetry; Bioprocess monitoring; Fermentation; Proteins; Pullulanase isoenzymes, Monoclonal antibodies 249(1991)113

Flow system; Spectrophotometry; Fluorimetry; Ethanol; Fermentation; Foods; Fruit juices; Glucose; Pullulan; Sucrose; Microorganism filtration unit, Baker's yeast 249(1991)137

Kinetic analysis; Film balance; Langmuir-Blodgett films; Proteins; Air/water interface, Multi-compartment trough, β -Lactoglobulin 249(1991)241

Fluorimetry; Bacterial cultures; Fermentation; Mathematical models; Physiological state; Clostridium acetobutylicum, NADH fluoresence 249(1991)279

Process control

Flow system; H.p.l.c.; Antibiotics production; On-line 213 (1988)1

Process control characteristics

Clinical data validity; Model 211(1988)43

Process industry

Titrimetry; Voltammetry; Nitrating acids 206(1988)137

Process monitoring

Liquid chrom.; Flow system; Fermentation 249(1991)87

Flow system; Bioreactors; Fermentation; Membrane modules; Penicillin fermentation; Ammonium, Glucose 249(1991)123

Flow system; Immunoassay; Bioreactors; Enzyme-linked immunosorbent assay 249(1991)163

Progesterone

Chemiluminescence; Immunoassay; Whole saliva; Microtitre plate 227(1989)119

Flow system; Chemiluminescence; Steroids; Cortisone; Corticosterone; Hydrocortisone; Testosterone; Sulphite oxidation, Potassium bromate 239(1990)195

Polarography; Surfactants; Linear sweep, Cetyltrimethylammonium bromide 248(1991)103

Promethazine

Amperometry; Flow system; Voltammetry; Nafion-coated electrodes; Pharmaceuticals; Cations 249(1991)489

Propoxyphene hydrochloride

Pharmaceuticals; Spectropolarimetry; Enantiomeric purity 241(1990)115

Propyl gallate

Liquid chrom.; Time-domain differentiation; Computerized peak resolution; Butylhydroquinone; Antioxidants; Foods 234 (1990)263

Propylammonium nitrate

Chromatography; Sample preparation; Extraction solvents; Ethylammonium nitrate; Liquid-liquid extraction, Proton donors 236(1990)51

Protease

Flow system; Fluorimetry; Fluorescein-labelled albumin; Fluoromethylpyridinium salt 230(1990)131

Protein dynamics

Fluorimetry; Calmodulin; Förster energy transfer; Transferrin 205(1988)161

Protein labelling

Chemiluminescence; With acridinium ester 205(1988)267

Protein metabolism

Mass spectrometry; Sample preparation; Urine; Protein turnover; Cation-exchange resin, Urinary ammonium, Isotope ratio, Continuous flow, Conway microdiffusion 241(1990)255

Protein synthesis

Gas chromatography; Mass spectrometry; Amino acids 247 (1991)255

Protein traces

Fluorimetry; Terbium chelate label 218(1989)143

Protein turnover

Mass spectrometry; Sample preparation; Protein metabolism; Urine; Cation-exchange resin, Urinary ammonium, Isotope ratio, Continuous flow, Conway microdiffusion 241(1990)255

Proteinase

Electrophoresis; Enzyme activities; Trypsin; Papain; Chromogenic substrates, N-Benzoyl-DL-arginine p-nitroanilide 238(1990)331

Proteins

Titrimetry; Basicity; Lysine; Nonaqueous 202(1987)159

H.p.l.c.; Fluorimetry; Serum; Time-resolved laser 208(1988)255

Flow system; Potentiometry; Streaming potential; Affinity column 213(1988)79

Flow system; Spectrophotometry 217(1989)359

Flow system; Kinetic analysis; Liquid chrom.; Computer controlled apparatus; Enzyme reactions; Stopped-flow 220(1989)

Coulometry; Spectrophotometry; Voltammetry; Bicinchoninic acid 221(1989)223

Fluorimetry; Radiometry; Aminosilane; Thermally pretreated glass 228(1990)107

Flow system; Immunoassay; Adenosine deaminase; Sandwich-type 229(1990)47

Flow system; Spectrophotometry; Biological membranes; Peptides; *o*-Phthaldialdehyde, Post-column reaction, Subcellular particles 231(1990)249

Spectrophotometry; Turbidimetry; Lignin; Wood 235(1990)299

Flow system; Sugars; Lactic acid; Biomass; Fermentation; Enzyme reactor; On-line 237(1990)165

Mass spectrometry; Structure determination; Computer program; Peptides; Antibiotics; MASSPEC, Graphics-based data system 237(1990)459

Potentiometry; Immunological field-effect transistor; Donnan potential, Charge 238(1990)323

Mass spectrometry; Serum albumin, Multiply charged proteins, Collisionally activated dissociation, Electrospray ionization 241(1990)167

Mass spectrometry; Biological samples; Glycoproteins; Oligonucleotides; Carbohydrates; Matrix-assisted UV/laser desorption/ionization 241(1990)175

Mass spectrometry; Plasma desorption, Liquid secondary ion 241(1990)315

Mass spectrometry; Molecular ion ejection mechanisms 247 (1991)265

Mass spectrometry; Peptides; Time-of-flight mass spectrometer; Matrix-assisted, Laser desorption, Pulsed nitrogen laser 248(1991)541

Flow system; Turbidimetry/nephelometry; Bioprocess monitoring; Fermentation; Process analysis; Pullulanase isoenzymes, Monoclonal antibodies 249(1991)113

Liquid chrom.; Electrophoresis; Haemoglobin; Isoelectric focusing; Peptides; Anion-exchange, Red blood cells 249(1991) 169

Liquid chrom.; Glycoprotein variants; Hydrophobic interaction chromatography; Plasminogen activator 249(1991)201

Liquid chrom.; Gel perm. chromatogr.; Light scattering; Molecular size; Egg white, Hepatitis B surface antigen, Macromolecular interaction 249(1991)227

Kinetic analysis; Film balance; Langmuir-Blodgett films; Process analysis; Air/water interface, Multi-compartment trough, β-Lactoglobulin 249(1991)241

Prussian blue

Potentiometry; Ion-selective electrodes; Potassium; Thin films, Membranes 239(1990)7

Pseudomonas aeruginosa

Conductimetry/oscillometry; Biological samples; Elastase; Enzyme activity; Tetraalanine substrate, Insoluble elastin substrate 247(1991)79

Pseudomonas cepacia

Polarography; Thermom. analysis; Aromatic compounds; Biosensors; Oxygen electrode; Calcium alginate gel, Metabolism 249(1991)17

PTFE tape separator

Flow system; Electron-capture detection; PTFE tubing separator; Two-phase separation, Free chlorine 243(1991)131

PTFE tubing separator

Flow system; Electron-capture detection; PTFE tape separator; Two-phase separation, Free chlorine 243(1991)131

Pullulan

Flow system; Spectrophotometry; Fluorimetry; Ethanol; Fermentation; Foods; Fruit juices; Glucose; Process analysis; Sucrose; Microorganism filtration unit, Baker's yeast 249 (1991)137

Pulp bleaching

Amperometry; Cyclic voltammetry; Paper; Chlorine dioxide; Process analysis; In-line monitoring 238(1990)223

Pulsed reagent introduction

Flow system; Spectrophotometry; Membrane reactor 215 (1988)277

Purine bases

H.p.l.c.; Caffeine; Octadecyl phases; Serum; High-density, Chemically bonded, Silica gels 208(1988)263

Purines

H.p.l.c.; Voltammetry 202(1987)167

Phosphorimetry; Heavy-atom effects, Room-temperature 205 (1988)273

Phosphorimetry; Room-temperature phosphorescence enhancement, Thallium(I), Sodium dodecyl sulphate, Filterpaper 236(1990)257

Pyrene

Fluorimetry; Ternary cyclodextrin complexes 207(1988)251

Fluorimetry; Diethylaniline; Exciplex; Indole; Liposome 227 (1989)267

Pyridostigmine

Potentiometry; Plasma; Enzymatic 206(1988)57

Potentiometry; Enzyme reactor; Plasma; Calibration; Optimization 236(1990)431

Pyridoxal

Flow system; Fluorimetry; Micellar-catalyzed reaction 201 (1987)67

Pyridoxine hydrochloride

Kinetic analysis; Potentiometry; Ascorbic acid; Biotin; *N*-bromosuccinimide; Thiamine hydrochloride 227(1989)405

Pyridylazophenols

Liquid chrom.; Transition metal chelate; Ion-pair 223(1989)339

Pyridyldiphenyltriazine

Spectrophotometry; Aluminium; Ethyl tetrabromophenolphthalein; Nickel ion; Steel 221(1989)109

Pyrimidinol

Liquid chrom.; Gas chromatography; Mass spectrometry; Pesticides; Corn 236(1990)173

Pyrite

Selenium; Sediments 235(1990)419

Pyrocatechol violet complex

Spectrophotometry; Kinetic analysis; Micelle; Iron 226(1989) 137

Pyrophosphate

Flow system; Thermom. analysis; Enzyme Reactor; Thermistor 214(1988)409

Pyruvate

Potentiometry; Glutamate oxaloacetate transaminase; Glutamate pyruvate transaminase; Pyruvate oxidase; Enzyme electrode 222(1989)83

Amperometry; Enzyme electrodes; Lactate; Cholesterol; Uric acid; Oxidase-peroxidase bilayer-modified, Hydrogen peroxide 242(1991)85

Pyruvate oxidase

Potentiometry; Glutamate oxaloacetate transaminase; Glutamate pyruvate transaminase; Pyruvate; Enzyme electrode 222 (1989)83

Q

Quadrupole ion trap

Mass spectrometry; Isomer distinction; Pentadienes 215 (1988)223

Quality control

Chemiluminescence; H.p.l.c.; Immunoassay; Steroid labels 205(1988)175

Digital simulation; Expert system 222(1989)19

Voltammetry; Benzodiazepine; Midazolam; Adsorptive stripping 229(1990)145

Titrimetry; Boron preservatives; Wood; Collaborative studies; Statistical analysis; Boric acid 236(1990)423

Bovine brain tissue; Gangliosides; DNA probes; Pharmaceuticals; Dot-blot hybridization 249(1991)291

Quantitative analysis

Uncertainty factor 223(1989)277

Quantitative structure / activity relations

Maximal common substructures, Superation trees 235(1990) 239

Quantitative structure / property relations

Water pollution; Structure descriptor, P-vector 235(1990)93

Quantitative structure / time / activity relations

Kinetic analysis; Intracellular distribution, Bioactivity profiles 235(1990)195

Quartz acoustic wave crystal

Piezoelectric sensors; Acoustic wave sensors; Etched crystal, Aminopropyltriethoxysilane film 248(1991)143

Ouartz crystal

Liquid chrom.; Piezoelectric sensors; Electrode-separated 248(1991)329

Quartz crystal resonator

Viscous liquids; Alcohols; Sugars; Piezoelectric sensor 231 (1990)317

Quaternary ammonium cation

Spectrophotometry; Tetraiodopalladate; Liquid-liquid distribution 229(1990)121

Quaternary ammonium salts

Spectrophotometry; Extraction; Fabric conditioners; Hair conditioners; Tertiary alkylamines 219(1989)239

Quenching

Fluorimetry; Skatole; Pyridine 230(1990)213

Ouinidine

Chemiluminescence; Quinine; Pharmaceuticals; Continuous-flow 236(1990)463

Quinine

H.p.l.c.; Caffeine; Morphine; Plant materials; Serum; Supercritical fluid extraction 213(1988)237

Chemiluminescence; Quinidine; Pharmaceuticals; Continuous-flow 236(1990)463

Quinolin-8-ol-5-sulphonic acid

Fluorimetry; Aluminium; Surfactant vesicles; Water, Dialysis fluid 234(1990)181

Quinoline derivatives

Titrimetry; I.r. spectrometry; N.m.r. spectrometry; Mass spectrometry; Oxidation by vanadium(V) 204(1988)77

Quinolines

N.m.r. spectrometry; Computer-assisted spectral simulation; Isoquinolines; Models, Library searches, Multiple linear regression 248(1991)183

Quinolinol

Chromium; Macroporous resin; Preconcentration; Sea water 224(1989)55

At. abs. spectrometry; Cellulose sorbent; Copper; Preconcentration 230(1990)163

Membrane filtration; Metal ion poly(ethyleneimine) 230 (1990)171

Spectrophotometry; Cobalt; Multi-component analysis 230 (1990)221

Quinolizinium salts

Fluorimetry; DNA 205(1988)105

Fluorimetry; Micellar media 205(1988)117

Ouinones

Polarography; Naphthoquinones; Benzoquinones; Bioreductive quinones, Mitomycin, Aziridinylquinone, Antitumour agents 233(1990)251

Diffl. pulse polarography; D.c. polarography; Voltammetry; Potentiometry; Controlled potential electrolysis; Aziridinylquinones; Bisaziridinylbis(ethoxycarbonylamino)benzoquinone; Diaziquone, Bioreductive alkylating quinones 234 (1990)285

Quinoproteins

Kinetic analysis; Amperometry; Biosensors; Electron transfer; Methylamine dehydrogenase; Amicyanin, Cytochrome c 249 (1991)235

R

Radiometric detection

Flow system; Radiorelease; Vanadium; Radiosilver release 246(1991)329

Radiometric detectors

Flow system; Dispersion 246(1991)325

Radiometry

I.r. spectrometry; Surface electromagnetic wave spectrometry; Thin solid films, Optical properties, Quartz resonators 240 (1990)219

Radiorelease

Flow system; Radiometric detection; Vanadium; Radiosilver release 246(1991)329

Rain

Titrimetry; Acidity; Substitution approach 217(1989)303

Anod. stripping voltammetry; Heavy metals; Seawater; Mercury microelectrodes, Differential-pulse 219(1989)19

Rank annihilation

Liquid chrom.; Calibration; Factor analysis; Kalman filter; Multi-wavelength detection 250(1991)37

Rapid lifetime determination

Error analysis 245(1991)121

Rare earth elements

H.p.l.c.; Emission spectrometry; Geological samples; Plasmas; Inductively-coupled 207(1988)149

Emission spectrometry; Liquid chrom.; Geological samples; Plasmas; Inductively-coupled, Oxalate coprecipitation, Cation-exchange 208(1988)163

Mass spectrometry; Waters; Isotope-dilution 218(1989)265

Ion exchange; Activ. analysis; Uranium 219(1989)313

Ion exchange; Brines; Preconcentration 220(1989)243

Spectrophotometry; Multicomponent analysis; Simplex method 222(1989)323

Flow system; Organized media; Micellar media; Insoluble systems; Thorium; Uranium; 1-(2-Pyridylazo)-2-naphthol, Arsenazo III 234(1990)239

Spectrophotometry; Chromogenic reagents; Ill-conditioned system calibration; Calibration 234(1990)483

Activ. analysis; Mass spectrometry; Emission spectrometry; Rocks; Plasma; Isotope dilution, Inductively coupled 236 (1990)487

Liquid chrom.; Thorium; Chromium; Ores; Ion pairing, Complexes, Precolumn derivatization 237(1990)311

Liquid chrom.; Steels; Transition elements; Low-alloy, Post-column reaction detection, 4-(2-pyridylazo)resorcinol, Arsenazo-III 237(1990)325

Activ. analysis; Biological samples; Preconcentration; Substoichiometric precipitation, Calcium oxalate 239(1990)115

X-ray fluores. spectrometry; Preconcentration; Quinolin-8-ol complexes, Activated carbon 242(1991)215

Fluorimetry; Europium; Samarium; Fluorescence enhancement, Gadolinium, Dibenzoylmethane-diethylamine 245 (1991)109

Rare earth minerals

Fluorimetry; Europium; Minerals; Gadolinium fluorescence enhancer 247(1991)37

Rare earth oxides

Fluorimetry; Diphacinone; Europium; Yttrium; Fluorescence enhancement, Ammonia 231(1990)295

Rare earths

Diffl. pulse voltammetry; Europium; Ytterbium; Mercury thin-film electrodes; Nafion coating; Ion-exchange preconcentration 244(1991)29

Rat brains

Flow system; Fluorimetry; Intracerebral dialysis; Lactic acid; Enzymatic 205(1988)53

Rat tissues

H.p.l.c.; Fluorimetry; Disulphides; Thiols; Pre-column derivatization 205(1988)29

Rate constant

Spectrophotometry; Physicochemical experiment 221(1989)319 Ion exchange; Metal ion; Chelex 222(1989)279

Reaction liquid

Mass spectrometry; Sampling system 229(1990)9

Reactor moderator water

Diffl. pulse voltammetry; Copper; Gold; Silver; Mercury; Waters 249(1991)447

Receptor-based biosensors

Potentiometry; Antibody-based biosensors; Biosensors; Immunoglobulins; Serum 249(1991)67

Recombinant DNA

Chemiluminescence; Toxic compounds; Environmental pollutants; *Escherichia coli* bioluminescence, Sodium azide, Chloramphenicol 244(1991)201

Liquid chrom.; Enzyme purification; Phosphocellulose 249 (1991)195

Recombinant DNA technology

Electrophoresis; Peptides; Capillary zone 213(1988)215

Recombinant human epidermal growth factor

Liquid chrom.; Mass spectrometry; Reversed-phase, Fast atom bombardment 239(1990)301

Recombinant protein

Mass spectrometry; Liquid chrom.; Interferon; Fast atom bombardment 223(1989)361

Redox gas

Flow system; Amperometry; Electrocatalysis; Chemically modified electrode 224(1989)305

Redox species

Cyclic voltammetry; Glassy carbon electrodes; Electrochemical oxidation 243(1991)43

Reducing carbohydrates

Fluorimetry 217(1989)263

Reducing sugars

Potentiometry; Dinitrophenolate electrode; Honey 218(1989) 37

Reduction mechanism

Polarography; Dropping mercury electrode; Cobalt-ammonia complexes; Stability constants 231(1990)143

Polarography; Cobalt; Malonate complexes, Succinate complexes 248(1991)409

Reduction of information space

I.r. spectrometry; Fast Fourier, Fast Hadamard 210(1988)63

Reductive coprecipitation

At. abs. spectrometry; Gold; Palladium; Platinum; Rhodium; Silver; Selenium; Tellurium; Geological samples; Graphite furnace, Mercury collector, Matrix modification 231(1990)273

Reference materials

Neutron activation; Sediment 223(1989)287

Spectrophotometry; Nitrate; Phosphate; Sea water; Autoclaving 248(1991)277

Reference phase

Gas chromatography; Apolane-87; Squalane 225(1989)193

Reflection-absorption

I.r. spectrometry; Polarization; Grazing incidence; Organic thin films, Enhancement 240(1991)305

Refractive index gradient detection

Flow system; Molecular weight sensing; Polyethylene glycol 246(1991)241

Regression algorithms

Kalman filter; Robust, Least-median, Linear calibration, Least-squares 215(1988)131

Regression evaluation of parameters

Information content of data; Algorithms, Weighting 237 (1990)473

Reliability criterion

Flow system; Orthophosphate; Method development evaluation 207(1988)111

Replacement-ion chromatography

H.p.l.c.; Emission spectrometry; Microwave-induced nitrogen discharge 215(1988)99

Reservine

Flow system; Kinetic analysis; Spectrophotometry; Catalysts; Manganese; Continuous-flow analysis, Manganese oxide reactor 233(1990)235

Fluorimetry; Flow system; Photochemical derivatization; Pharmaceutical formulations 245(1991)101

Residual chlorine

Flow system; Amperometry 207(1988)59

Resin extraction

Chromatography; Sample preparation; Steam distillation; Organic compounds, Aqueous samples 236(1990)43

Resole prepolymer mixtures

H.p.l.c.; Kalman filter 202(1987)187

Amperometry; Cyclic voltammetry; Electropolymerization; Glassy carbon electrodes; Polymer-coated electrodes; Continuous-flow sensing 249(1991)395

Resolution

H.p.l.c.; Kalman filter 201(1987)185

Chromatography; Statistical functions for overlapping peaks 201(1987)193

Resolution enhancement

I.r. spectrometry; Sample perturbation; Information content 250(1991)131

Resolution of binary mixtures

Kinetic analysis; Spectrophotometry; Cobalt; Nickel; Interpolation 212(1988)223

Resolution of overlapping peaks

Gas chromatography; H.p.l.c.; Mass spectrometry; Statistical and empirical functions 219(1989)257

Response surface mapping

Flow system; Pattern recognition; Automated optimization; Simplex optimization 237(1990)361

Restriction endonucleases

Electrophoresis; Enteropathogenic bacteria 213(1988)273

Retention behaviour

Ion exchange; Dowex; Polyurethane foam; Hydrochloric acid-potassium thiocyanate 229(1990)127

Retention indices

Gas chromatography; H.p.l.c.; Isoalkanes; General model 201 (1987)217

Retention mechanism

Liquid chrom.; Alumina columns; Solvent strength; Selectivity; Polybutadiene-coated 246(1991)113

Retention ratio

Field-flow fractionation; Crossflow hydrodynamics; Reynolds number, Analyte transport 246(1991)161

Retinal complex

Fluorimetry; Cyclodextrin; Room temperature 227(1989)297

Reverse osmosis

Phosphorus; Fresh water 244(1991)269

Reversed matrix representation

Spectrophotometry; Niobium; Tantalum; Multicomponent mixtures 212(1988)145

Reversed-phase retention

H.p.l.c.; Characterization of stationary/mobile phases; Using markers 212(1988)95

Review

Titrimetry; Kinetic analysis; Catalytic end-point detection 202 (1987)1

Ring oven 202(1987)25

Potentiometry; Ion-selective electrodes 206(1988)1

Potentiometry; Titrimetry; Equivalence volumes 206(1988)111

Voltammetry; Glassy carbon electrodes; Surface preparation 207(1988)1

Fluorimetry; Micelles; Reversed 208(1988)1

Artificial intelligence 210(1988)9

Potentiometry; Biosensors; Enzyme electrodes; Electronic, Opto-electronic 213(1988)23

Amperometry; Potentiometry; Fermentation processes; Microbiological sensors 213(1988)69

Flow system; Heterogeneous sample materials; Immobilized reagents 214(1988)1

Flow system; Extraction 214(1988)29

Flow system; At. abs. spectrometry; Emission spectrometry 214(1988)57

Mass spectrometry; Plasmas; Plasma source 216(1989)1

Mass spectrometry; Electron probe analysis; Ion-microprobe; Three-dimensional analysis; Secondary-ion 216(1989)25

Kinetic analysis 216(1989)69

H.p.l.c.; Gas chromatography; T.l.c.; Supercritical-fluid 216 (1989)109

Voltammetry; Steady-state 216(1989)177

Flow system; Spectrophotometry; Enzymatic assays 216(1989) 257

Flow system; Multiple peak recordings 216(1989)275

Flow system; Spectrophotometry; Amperometry; Unstable reagents 216(1989)289

Electron probe analysis; Microanalysis 218(1989)185

Ion-selective electrodes; Body fluids 233(1990)1

Flow system; Liquid chrom.; At. abs. spectrometry; Detectors 234(1989)3

Gas chromatography; Waters; Trace organic compounds; Preconcentration; Liquid-liquid extraction, Solid sorbents, Headspace techniques, Gas extraction, Volatile compounds 237(1990)1

I.r. spectrometry; Automated spectral interpretation; Structure determination; Computer-assisted interpretation of spectra; Knowledge-based system; Library search, Pattern recognition 240(1990)3

Flow system; Kinetic analysis; Spectrophotometry; Fluorimetry; Stopped-flow technique 242(1991)147

Neural networks; Chemical applications 248(1991)1

Enzyme electrodes; Biosensors; Organic phase 249(1991)1

Rhamnose derivatives

I.r. spectrometry; Hydrogen bonding 240(1991)311

Rhenium

Spectrophotometry; Catalysts; Extraction; Microcrystalline benzophenone 204(1988)359

Ion exchange; Isotope dilut. analysis; Meteorite; Osmium; Resonance ionization mass spectrometry 222(1989)291

Flow system; Spectrophotometry; Extraction; Crown ethers; Potassium perrhenate, Brilliant Green 232(1990)287

I.r. spectrometry; Alumina; Fourier transform; Photo-induced interaction; Hydroxylated alumina surface 240(1990)211

I.r. spectrometry; Fourier transform; Alumina; Hydroxylated alumina surface 240(1990)215

Rhodamine B

Spectrophotometry; Dinitrocatechol; Flotation separation; Niobium; Oxalate 226(1989)281

Rhodium

At. abs. spectrometry; Gold; Palladium; Platinum; Silver; Selenium; Tellurium; Geological samples; Reductive coprecipitation; Graphite furnace, Mercury collector, Matrix modification 231(1990)273

At. abs. spectrometry; Iridium; Ruthenium; Platinum; Matrix extraction, Graphite furnace 236(1990)385

Extraction; Iridium; 4-(Non-5-yl)pyridine 242(1991)191

Iridium; Chelating resin; Poly(vinyldiethylenetriamine) 245 (1991)13

At. abs. spectrometry; Fire assay; Geological materials; Palladium; Platinum; Rocks; Nickel sulphide 246(1991)365

Riboflavir

Kinetic analysis; Spectrophotometry; Competitive binding; Urine; Homogeneous enzyme-linked 208(1988)31

Ribomononucleotides (isomeric)

Mass spectrometry; Fast atom bombardment 247(1991)187

Rice flour

H.p.l.c.; Chemiluminescence; Cobalt 217(1989)157

River water

Flow system; Spectrophotometry; Field monitor; Nitrate 227 (1989)379

Colloid; Copper; Iron 227(1989)421

Multivariate correlation analysis; Trace metals; Atmospheric sampling 242(1991)5

Robot system

H.p.l.c.; Kalman filter; Solid dosage formulations; One-dimensional 209(1988)45

Robots

Process analysis; Automation; Biological oxygen demand; Yoghurt; Acidity 238(1990)71

Rock

Electrotherm. atomization; At. abs. spectrometry; Extraction; Palladium; Platinum; Soils; Iodo complexes 204(1988)333

Spectrophotometry; Germanium; Adsorption on Sephadex 209(1988)333

Flow system; Ion exchange; Molybdenum; Natural water 225 (1989)313

Extraction; Boron; Isotopic ratios; Alkali fusion, Methyl borate distillation, Isotope dilution 231(1990)147

Mass spectrometry; Calcium; Accelerator; Bone; Sample preparation 233(1990)101

Mass spectrometry; Plasma; Laser ablation; Minerals; Geological materials; Inductively coupled 235(1990)381

Activ. analysis; Mass spectrometry; Emission spectrometry; Rare earth elements; Plasma; Isotope dilution, Inductively coupled 236(1990)487

Spectrophotometry; Minerals; Phosphorus; Decomposition, Room temperature 237(1990)251

At. abs. spectrometry; Tin; Graphite furnace, Silicate 239 (1990)145

Spectrophotometry; At. abs. spectrometry; Geological samples; Microwave acid digestion 245(1991)43

At. abs. spectrometry; Fire assay; Geological materials; Palladium; Rhodium; Platinum; Nickel sulphide 246(1991)365

Rodenticide

Phosphorimetry; Blood serum; Warfarin; Room-temperature phosphorescence 222(1989)177

Rubidium

Isotope dilut. analysis; Mass spectrometry; Emission spectrometry; Geological material 229(1990)157

Ruggedness test

Liquid chrom.; Expert system; Pharmaceutical sample 228 (1990)145

Rule-based formulation

Chemical recipes 206(1988)223

Rumen bacteria

Pattern recognition; Animal feeds; Fodder plants; Enzymatically changed, Genetic varieties 213(1988)177

Ruthenium

Emission spectrometry; Plasmas; Enhancement by periodic acid, Inductively coupled 218(1989)77

At. abs. spectrometry; Meteorites; Graphite furnace 232 (1990)317

At. abs. spectrometry; Iridium; Rhodium; Platinum; Matrix extraction, Graphite furnace 236(1990)385

S

Salicylaldehyde carbohydrazone

Fluorimetry; Thorium 224(1989)153

Salicylate

Fluorimetry; Plasma 201(1987)335

Principal components; Spectrophotometry; Titrimetry; Copper; Ethanolamine 223(1989)257

Amperometry; Biosensor; Whole blood 224(1989)39

Salicylic acid

Spectrophotometry; Savitzky-Golay smoothing; Second-derivative 201(1987)301

Salinity

Flow system; Plasma; Matrix matching; Waters; Inductively coupled, Sodium 234(1990)207

Saliva

Chemiluminescence; Immunoassay; Estriol 205(1988)215

Immunoassay; Testosterone 207(1988)161

Polarography; Thiocyanate; Linear-sweep 212(1988)43

Amperometry; Enzyme electrodes; Lactate; Lactate oxidase, Hydrogen peroxide 245(1991)151

Immunoassay; Osmotic pump; Testosterone; In situ collection device 248(1991)517

Salt concentrations

Fluorimetry; Fibre-optic sensor; Polymer swelling; Optical displacement, Sulphonated dextran, Sulphonated polystyrene 249(1991)373

Samarium

Fluorimetry; Europium; Laser-excited, Time-resolved, Labelling of biomolecules 219(1989)67

Fluorimetry; Terbium; Europium; Hexafluoroacetylacetone-trioctylphosphine oxide-Triton X-100 231(1990)157

Fluorimetry; Europium; Rare earth elements; Fluorescence enhancement, Gadolinium, Dibenzoylmethane-diethylamine 245(1991)109

Sample introduction

Flow system; Mass spectrometry; Arsenic; Chloroform 214 (1988)385

Flow system; Phosphorimetry; Continuous, Solid-surface room-temperature 231(1990)289

Flow system; Variable-volume injector; Calibration 234(1990) 253

Flow system; Solid samples; Ultrasonic irradiation; Iron; Plant materials; Direct introduction, Leaching 242(1991)283

Flow system; Fluorimetry; Spectrophotometry; Raman spectrometry; I.r. spectrometry; Mass spectrometry; Molecular spectroscopic detection 250(1991)157

Sample perturbation

I.r. spectrometry; Resolution enhancement; Information content 250(1991)131

Sample preparation

Chromatography 236(1990)3

Chromatography; Steam distillation; Resin extraction; Organic compounds, Aqueous samples 236(1990)43

Chromatography; Extraction solvents; Ethylammonium nitrate; Propylammonium nitrate; Liquid-liquid extraction, Proton donors 236(1990)51

Chromatography; Pesticides; Foods; High fat 236(1990)77

Chromatography; T.l.c.; Planar chromatography 236(1990)83

Chromatography; Pharmaceuticals; Pesticides; Biological samples; Serum; Blood; Extraction 236(1990)99

Liquid chrom.; Solid-phase extraction; Ecdysteroids; Insects; Hormones, Sep-Pak cartridge, Phenylboronic acid 236(1990) 145

Gas chromatography; Insects; Pheromones; Capillaries, Micro-reactor 236(1990)227

Mass spectrometry; Protein metabolism; Urine; Protein turnover; Cation-exchange resin, Urinary ammonium, Isotope ratio, Continuous flow, Conway microdiffusion 241(1990)255

Sampling

On-line analysis; Difficult to handle materials, Non-Newtonian suspensions, Pastes, Cohesive solids, Radioactive materials, Toxic materials 238(1990)11

Sampling procedures

Air; Extraction; Organic volatiles; Pollution 236(1990)197

Sampling system

Mass spectrometry; Reaction liquid 229(1990)9

Biosensors; Fermentation; Coaxial catheter, Sterile monitoring, Glucose, Lactate, Blood 249(1991)61

Sausage

Polarography; Nitrite; Water; Single-sweep 230(1990)105

Savitzky-Golay filter

Spectrophotometry; Fourier-transform filter; Polynomial filter 222(1989)335

Data smoothing; Weighting functions 249(1991)331

Savitzky-Golay smoothing

Spectrophotometry; Salicylic acid; Second-derivative 201 (1987)301

Scanning electron microscopy

Graphite electrodes; Pyrolytic graphite, Glassy carbon, Activity 231(1990)191

Mass spectrometry; X-ray fluores. spectrometry; Glassy carbon electrodes; Surface analysis; Electrochemical modification, Solid-state characterization 248(1991)127

Schiff bases

Chemiluminescence; Flow system; Amines; Amino acids; Fenton's reagent; Phenylacetaldehyde, Sodium bis(2-ethylhexyl) sulphosuccinate reversed micellar solution 247(1991)27

Potentiometry; Titrimetry; Hydrogen bonding; Half-neutralization potentials, Perchloric acid titration 249(1991)427

Schlieren effect

Flow system; Spectrophotometry; Diode-array, Dual-wavelength 234(1990)153

Screening procedures

Enzyme systems; Glucose oxidase; Monoclonal antibodies; ELISA 241(1990)105

Sea water

Voltammetry; Extraction; Selenium; Differential-pulse cathodic stripping 201(1987)33

Flow system; Spectrophotometry; Hydrogen peroxide; Reagent-injection 201(1987)83

Potentiometry; Flow system; Arsenic; Constant-current stripping, Gold fibre electrodes 201(1987)263

Anod. stripping voltammetry; Bismuth; Square-wave, Glassy-carbon rotating-disk electrode 204(1988)161

Potentiometry; Flow system; Arsenic; Urine; Constant-current stripping 207(1988)37

Electrotherm. atomization; At. abs. spectrometry; Tetrahydroborate reductive precipitation; Trace elements; Preconcentration 207(1988)291

Electrotherm. atomization; At. abs. spectrometry; Copper; Zinc; Polymer-supported 1,4,8,11-tetraazacyclotetradecane 209(1988)249

Voltammetry; Platinum; Cathodic stripping 211(1988)129

Ion exchange; Electrotherm. atomization; At. abs. spectrometry; Heavy metals; Pre-concentration, Chelex-100, pH and salts 211(1988)257

Ion exchange; Electrotherm. atomization; At. abs. spectrometry; Heavy metals; Pre-concentration, Chelex-100, Optimization, Plate simulation method 211(1988)271

Voltammetry; Nitrite; Waters; Cathodic stripping 212(1988)31

Polarography; Ion exchange; Molybdenum; Tungsten; Waters; Catalytic current, Preconcentration 218(1989)25

Anod. stripping voltammetry; Heavy metals; Rain; Mercury microelectrodes, Differential-pulse 219(1989)19

Voltammetry; Adsorptive collection; Titanium; Cathodic stripping voltammetry 221(1989)269

Voltammetry; Adsorptive collection; Tin; Cathodic stripping voltammetry 222(1989)43

Emission spectrometry; Barium; Inductively coupled plasma 222(1989)55

At. abs. spectrometry; Mercury; Preconcentration; Platinum-lined graphite furnace 225(1989)175

Voltammetry; Cathodic stripping; Selenium; Waters; Copper 231(1990)221

Chemiluminescence; Formic acid; Waters; Enzyme bioluminescence reaction 231(1990)299

Voltammetry; Waters; Copper; Complexation, Organic ligands, Speciation, Detection window 232(1990)149

Liquid chrom.; Waters; Copper; Phytoplankton bloom; Plankton ecosystem; Metal-organic interactions 232(1990)161

Mass spectrometry; Waters; Barium; Plasma; Isotope dilution; Inductively coupled 232(1990)323

At. abs. spectrometry; Waters; Manganese; Preconcentration; Polyazamacrocycles; Graphite furnace, Immobilized, Poly-(vinylbenzyltetraaza-1,4,8,11-cyclotetradecane) 232(1990)331

Waters; pH; Dye fibre-optic pH sensor; Phenol red, Amberlite resin 232(1990)337

Spectrophotometry; Waters; Nitrite; Azo dyes; Formation kinetics, N-1-Naphthylethylenediamine, Sulphanilamide 232(199)345

Gas chromatography; Methylmercury; Waters; Plasma; Microwave-induced plasma detection, Headspace, Dithiocarbamate resin preconcentration, Speciation 234(1990)417

Voltammetry; Trace elements; Waters; Lake water; In situ measurements, Copper, Lead, Cadmium, Zinc 237(1990)429

Fluorimetry; Waters; Polycyclic aromatic hydrocarbons; Pulsed-laser, fibre-optic-based system, Decay times, Time-resolved 239(1990)45

Flow system; Chemiluminescence; Surfactants; Waters; Non-idet AT 85, Rhodamine B sensitizer 239(1990)189

Liquid chrom.; Nitrite; Nitrate; Waters; Venice lagoon, Ion interaction reversed-phase 239(1990)203

At. abs. spectrometry; Waters; Extraction; Separating funnels; Fluorinated ethylene-propylene, Dithiocarbamate-Freon-TF-extraction 245(1991)21

Mass spectrometry; Plasmas; Isotope dilution; Uranium; Waters; Marine sediment pore waters 245(1991)83

Voltammetry; Titanium; Cathodic stripping, Chlorate catalysis 245(1991)167

Voltammetry; Copper; Ethylenediamine; Rotating mercury film electrode 245(1991)177

Spectrophotometry; Iron; Waters; Ferrozine, Sep-Pak cartridge 247(1991)125

Flow system; Emission spectrom.; Plasmas; Preconcentration; Trace metals; Urine; Waters; Inductively coupled, Chelating resin 248(1991)241

Spectrophotometry; Nitrate; Phosphate; Reference materials; Autoclaving 248(1991)277

Chemiluminescence; Flow system; Manganese; Waters; δ -Hydroxyquinoline concentration, 7,7,8,8-Tetracyanoquinodimethane 249(1991)469

Gas chromatography; Helium-3; Sulphur hexafluoride; Tracers; Waters; Concentration mapping, Continuous underway analysis, Gas exchange 249(1991)555

Voltammetry; Trace elements; Waters; Adsorptive deposition, Cathodic stripping 250(1991)265

Sediment suspensions

Gas chromatography; Potentiometry; Voltammetry; Microbial reaction rates; Apparatus 213(1988)221

Sediments

Emission spectrometry; Computer-controlled rapid-scanning echelle monochromator; Plasmas; Soils; Trace elements; Inductively-coupled 207(1988)269

At. abs. spectrometry; Trace metals; Nitric acid digestion 218(1989)335

Potentiometry; Nitrate-selective microelectrodes 219(1989)351

Emission spectrometry; Mass spectrometry; Mercury; Natural waters; Inductively coupled plasma/mass spectrometry, Sodium boro-hydride 221(1989)77

Neutron activation; Reference material 223(1989)287

N.m.r. spectrometry; Humic acids; Soils; Philippines 232 (1990)31

Selenium; Pyrite 235(1990)419

Segmental flow injection

Flow system; Spectrophotometry; Amino acids, Tea, Ammonia, Waters, Copper, Vanadium 238(1990)183

Segmenter

Flow system; Copper; Extraction; Continuous flow, Dual channel 245(1991)251

Selectivity

Liquid chrom.; Alumina columns; Solvent strength; Retention mechanism; Polybutadiene-coated 246(1991)113

Selectivity coefficient

Ion exchange; Chromatography; Streaming potential 228 (1990)61

Selectivity optimization

Liquid chrom.; pH; Octadecyl-modified silica, Reversed-phase 250(1991)1

Selenium

Diffl. pulse voltammetry; Oyster Tissue; 3,3'-Diaminobenzidine piazselenol 201(1987)23

Voltammetry; Extraction; Sea-water; Differential-pulse cathodic stripping 201(1987)33

Hydride generation; At. abs. spectrometry; Biological materials 201(1987)331

Fluorimetry; Sulphur sample 206(1988)345

Voltammetry; Cathodic stripping, Adsorptive stripping 208 (1988)231

Voltammetry; Cathodic stripping; Sea water; Waters; Copper 231(1990)221

At. abs. spectrometry; Gold; Palladium; Platinum; Rhodium; Silver; Tellurium; Geological samples; Reductive coprecipitation; Graphite furnace, Mercury collector, Matrix modification 231(1990)273

Spectrophotometry; Catalysis; Resazurin reduction, Sulphide 232(1990)351

At. abs. spectrometry; Hydride generation; pH; Selenium hydride stripping; Acid dissociation 232(1990)405

Pyrite; Sediments 235(1990)419

At. abs. spectrometry; Hydride generation; Antimony; Arsenic; Sodium tetrahydroborate 237(1990)189

At. abs. spectrometry; Coal fly ashes; Graphite furnace, Cadmium-palladium chemical modifier 247(1991)19

Selenium hydride stripping

At. abs. spectrometry; Hydride generation; pH; Selenium; Acid dissociation 232(1990)405

Self-modeling curve resolution

Kinetic analysis; Flow system; Spectrophotometry 218(1989) 303

Semiconductor gas sensors

Conductometry; Pattern recognition; Odour-sensing system 215(1988)155

Conductometry; Gas chromatography; Alkanes; Hydrogen; Simplex optimization 216(1989)147

Conductometry; Acetic acid; Acetone; Computerised array; Ethanol 219(1989)213

Taguchi gas sensors; Tin oxide gas sensors; Test rig 249(1991)

Semiconductor laser

Fluorimetry; Xanthine; Xanthine oxidase; Near-infrared 208 (1988)325

Spectrophotometry; Thermal lens; Iron; 2-Nitroso-5-diethylaminophenol 243(1991)109

Semiconductor silicon

At. abs. spectrometry; Electrotherm. atomization; Antimony; Solid samples 201(1987)311

Semiconductors

Potentiometry; Control chart; Gas-sensor 225(1989)89

Gas chromatography; Ethylene; Fruits; Field effect transistor 231(1990)93

Mass spectrometry; Fourier transform ion cyclotron resonance, Chemical vapour deposition reagents 237(1990)83

Potentiometry; Titrimetry; Gallium arsenide; Stoichiometry; Arsenic 244(1991)247

Immunoassay; Potentiometry; Biosensors; Capacitance; Enterotoxin B; Toxins; Antibody fixation, Grafted immunospecies 249(1991)367

Sensor

Fluorimetry; Reflectance spectrometry; Fibre optic; In situ; Poly(vinyl chloride); Trinitrotoluene 221(1989)1

Chemiluminescence; Cetyltrimethylammonium bromide; Glucose oxidase; Hydrogen peroxide; Luminol; Micelle 221(1989)

Amperometry; Ion exchange; Voltammetry; Nafion; Low-conductivity solvent 221(1989)27

Amperometry; Hydroxybutyrate; Ketone body; Dry-strip 221 (1989)289

Spectrophotometry; Hydrogen cyanide; Impregnated bead detector 222(1989)63

Potentiometry; Penicillin; Penicillin amidase; Field effect transistor 226(1989)87

Spectrophotometry; Copper complex; Optical waveguide; Sulphur dioxide 226(1989)153

Potentiometry; Textile material; Microelectrode 226(1989)247

Chemiluminescence; Flow system; Fibre-optic; NADH; Bioluminescence 226(1989)331

Amperometry; Glycolate; Glycolate oxidase; Mediator 228 (1990)31

Amperometry; Acetylcholine; Acetylcholinesterase; Choline; Choline oxidase; Photocross-linkable polymer 228(1990)49

Amperometry; Flow system; Conducting organic salt; Glucose; Wall-jet cell 229(1990)83

Immunoassay; Fluorimetry; Immobilization, Fibre optic 229 (1990)169

Potentiometry; Bacteria; Immobilization; Lysine; Lysine decarboxylase; Calcium alginate 229(1990)197

Spectrophotometry; Titrimetry; Fibre optic; pH; Acid-base 230(1990)35

Potentiometry; Poly(hydroxyethyl methacrylate); Silylation; Semiconductor, Ion-sensitive field effect transistor 230(1990)

Sensor-actuator

Coulometry; Field effect transistor 229(1990)71

Separating funnels

At. abs. spectrometry; Waters; Sea water; Extraction; Fluorinated ethylene-propylene, Dithiocarbamate-Freon-TF-extraction 245(1991)21

Separation

Metal ion; Polythioether; Tetrathioether 221(1989)99

Sequential injection

Flow system; Process analysis; Sinusoidal flow 237(1990)329

Serum

Voltammetry; Chlordiazepoxide; Adsorptive stripping, Hanging mercury drop electrode 201(1987)275

Voltammetry; H.p.l.c.; Dacarbazine 202(1987)141

Certification of reference material; Trace elements; Freezedried human 204(1988)63

Flow system; Pharmaceuticals; Sulphonamides; Urine 204 (1988)271

Flow system; Fluorimetry; Amino acids; Bioluminescence; Enzyme reactor; Urine; Branched-chain 205(1988)229

H.p.l.c.; Chemiluminescence; Estradiol; Normal-phase 205 (1988)255

H.p.l.c.; Amperometry; Fluorouracil; Pharmaceuticals; Anodic 207(1988)183

Flow system; Amperometry; Cholesterol; Enzyme reactor 207 (1988)319

H.p.l.c.; Fluorimetry; Proteins; Time-resolved laser 208(1988) 255

H.p.l.c.; Caffeine; Octadecyl phases; Purine bases; High-density, Chemically bonded, Silica gels 208(1988)263

Fluorimetry; Calcium 209(1988)303

Conductometry; Enzyme-catalyzed reactions; Urea 211(1988) 205

Activ. analysis; Ion exchange; Trace metals 211(1988)231

H.p.l.c.; Thiopurine compounds; Micelles as mobile phase 212(1988)181

H.p.l.c.; Caffeine; Morphine; Plant materials; Quinine; Supercritical fluid extraction 213(1988)237

Flow system; Reflectance spectrometry; Creatinine; Gas diffusion 214(1988)147

Potentiometry; Choline-sensitive membrane electrode; Phosphatidylcholine 217(1989)193

Kinetic analysis; Flow system; Lactate dehydrogenase; Multidetection, Cyclic system 219(1989)191

Chemiluminescence; Flow system; Hollow-fibre reactor; Hydroxy bile acid; Bioluminescence 225(1989)273

Immunoassay; Amperometry; Insulin; Enzyme immunoelectrode 225(1989)283

Kinetic analysis; Spectrophotometry; Biacetyl; Urea 230 (1990)145

Potentiometry; Potassium; Blood; Ion-selective electrodes; Silicon rubber tubular electrode, Valinomycin-treated 231(1990) 125

Fluorimetry; Gas sensor; Ammonia; Fibre-optic sensor; Fluoresceins 231(1990)231

Potentiometry; Calcium; Iminodiacetate complexation 233 (1990)269

A.c. polarography; Methotrexate; Phase-selective 233(1990) 281

Ion-selective electrodes; Ion-sensitive field effect transistor; Fibre-optic sensor; Ionophores; Sodium; Blood; Lipophilic, 1,2-Phenylenedioxydiacetamides 233(1990)295

Flow system; Voltammetry; Magnesium; Rapid scan squarewave, Thin-film deaerator, Dropping mercury electrode 234 (1990)161 Chromatography; Sample preparation; Pharmaceuticals; Pesticides; Biological samples; Blood; Extraction 236(1990)99

Gas chromatography; Liquid chrom.; Organic acids; Biological fluids; Urine; Extraction 236(1990)121

Diffl. pulse polarography; Amino acids; Foods; Schiff's base, Borax buffer, Acetaldehyde 236(1990)307

Potentiometry; Ion-selective electrodes; Magnesium; Automated, Ionized 236(1990)331

Spectrophotometry; Flow system; Chemiluminescence; Enzyme reaction; Glucose; Mimetic peroxidase, Hydrogen peroxide, Luminol 237(1990)497

Spectrophotometry; Flow system; Urea; Enzyme reactor; Gas diffusion, Urease 237(1990)503

Flow system; Spectrophotometry; Enzyme reactor; Lactic acid; Glucose; Sequential determination, Diode-array, Controlled-pore glass, Co-immobilization 238(1990)411

Spectrophotometry; Continuous addition of reagent technique; Differential reaction-rate methods; Copper; Iron; Pyridoxal thiosemicarbazone, Complex formation 239(1990)221

Flow system; Fluorimetry; Alanine; Enzyme reactor; Beverages; Immobilized poly(vinyl alcohol) beads 239(1990)307

Mass spectrometry; Plasmas; Lithium; Biological samples; Foods; Inductively coupled, Standard Reference Materials 244(1991)259

Amperometry; Enzyme electrodes; Aspartate aminotransferase; Alanine aminotransferase; Glutamate oxidase, Hydrogen peroxide 245(1991)57

Flow system; Voltammetry; Ion-sensitive field-effect transistors; Potassium; Urine; Wall-jet cell, Silicone-rubber membrane 245(1991)159

Potentiometry; Antibody-based biosensors; Biosensors; Immunoglobulins; Receptor-based biosensors 249(1991)67

Liquid chrom.; Antibodies; Human growth hormone; Protein G affinity, Reversed phase, Antigen-antibody complexes 249 (1991)185

Potentiometry; Ammonia membrane electrode; Biosensor; Enzyme electrodes; Urea; Urease electrode; Activated poly(vinyl alcohol), Immobilized 249(1991)387

Fluorimetry; Flow system; Liquid chrom.; Bile acids; Enzyme reactor; 3α -Hydroxysteroid dehydrogenase oxidation catalyst, NAD⁺ coenzyme 249(1991)461

Sewage sludge

At. abs. spectrometry; Flow system; Microwave oven digestion; Solid samples; Flame, Manifold, Slurries 238(1990)417

Shampoo

Liquid chrom.; Climbazol; Cosmetics; Preservative 235(1990) 465

Shpol'skii technique

Fluorimetry; Polynuclear aromatic hydrocarbons; Mussels; Terns; Biological samples 232(1990)245

Fluorimetry; Polynuclear aromatic hydrocarbons; Computerized data acquisition and processing 233(1990)207

Signal analysis

Emission spectrometry; Noise; Inductively coupled plasma, Microlitre sample 226(1989)53

Emission spectrometry; Calibration; Inductively coupled plasma, Microlitre sample 226(1989)73

Signal averaging

Spectrophotometry; Algorithm, recursive; Standard deviation 242(1991)17

Signal processing

Flow system; Spectrophotometry; Computer simulation; Error analysis; Iron(II)-o-phenanthroline, Azo dye 235(1990)337

Flow system; Auto-by-cross correlation; Photoionization spectroscopy; Transient signals; Transient photocurrent, Laser-excited photoionization 248(1991)195

Signal suppression

Mass spectrometry; Plasmas; Trace metals; Inductively-coupled, Internal standard 211(1988)91

Signal / noise enhancement

Chromatography; Chromatography; Matched filtering; Theory 235(1990)343

Chromatography; Chromatography; Matched filtering; Program and simulation 235(1990)355

Silica

Gravimetry; Lead-bearing samples; Errors 219(1989)177

Fluorimetry; Uranium; Time-resolved laser 219(1989)181

I.r. spectrometry; Polystyrene; Simulated spectra; Dielectric function 240(1990)187

I.r. spectrometry; Diffuse reflectance; Inorganic powders; Silicon carbide; Blocker device, Simulation technique 240 (1990)229

At. abs. spectrometry; Emission spectrom.; Metal impurities; Acid decomposition; Vapour phase, PTFE bomb 245(1991)35

Emission spectrom.; Boron; Direct current; Plasmas; Acid decomposition, Mannitol 245(1991)207

Emission spectrom.; Spectrophotometry; Geological materials; Plasmas; Centrifugation, Differentiation of colloidal and dissolved silica, Filtration, Inductively coupled, Tuffs 249 (1991)509

Silica gel

I.r. spectrometry; Spectrophotometry; Chlorotriazine; Immobilization; Trihydroxyazobenzene; Diffuse-reflectance 228 (1990)235

Silica speciation

Spectrophotometry; Emission spectrometry; Plasmas; Waters; High-purity, Inductively coupled 204(1988)339

Silica with hydroxamic acid groups

Reflectance spectrometry; Opto-acoustic spectroscopy; Synthesis 219(1989)201

Silicate

Flow system; Spectrophotometry; Ion exchange; Arsenate; Phosphate 204(1988)53

Spectrophotometry; Flow system; Waters; Rhodamine B 239 (1990)151

Chromatography; Ion exchange; Arsenate; Germanate; Phosphate; Molybdenum blue reaction, Post-column detection 249(1991)539

Silicate glasses

Melting temperature; Monte Carlo method; Calculation 210 (1988)199

Silicate materials

At. abs. spectrometry; Electrotherm. atomization; Microwave dissolution 220(1989)263

Silicon

Electrotherm. atomization; At. abs. spectrometry; Matrix modifiers 220(1989)83

I.r. spectrometry; Flow reactor; Gas cell; Methylchlorosilane 222(1989)221

Silicon carbide

I.r. spectrometry; Diffuse reflectance; Inorganic powders; Silica; Blocker device, Simulation technique 240(1990)229

Silicon electronic devices

I.r. spectrometry; Fourier transform; Polyimide films; Langmuir-Blodgett films; Attenuated total reflectance 240(1990)81

Silicone rubber

Ion-sensitive field effect transistor; Potassium; Membrane materials; Polymers 231(1990)41

Siloxane polymer

Potentiometry; Ion exchange; Ferrocene; Glucose; Glucose oxidase 228(1990)23

Silver

Potentiometry; Flow system; Constant-current stripping 207 (1988)27

Voltammetry; Ion exchange; Mercury; Zeolite-containing carbon-paste electrodes; Preconcentration 207(1988)95

Emission spectrometry; Extraction; Geological materials; Plasmas 207(1988)171

Electrotherm. atomization; At. abs. spectrometry; Extraction; Gold; Thallium; Urine; Flame, Iodide complexes 207(1988)283

Piezoelectric sensing; Cyclic voltammetry; Adsorption 209 (1988)213

Anod. stripping voltammetry; Chemicals; Nafion/crown ether film electrode 212(1988)341

Amperometry; Titrimetry; Square-wave 219(1989)37

Potentiometry; Flow system; Photographic fixers; Indirect 220(1989)287

Amperometry; Chelating resin; Modified electrode; Preconcentration; Carbon paste electrode 229(1990)213

At. abs. spectrometry; Gold; Palladium; Platinum; Rhodium; Selenium; Tellurium; Geological samples; Reductive coprecipitation; Graphite furnace, Mercury collector, Matrix modification 231(1990)273

At. abs. spectrometry; Gold; Plasma; Graphite furnace, Zeeman effect background correction, Copper-gold-silver salt mixture, Rat, Anti-inflammatory 235(1990)393

Coulometry; Titrimetry; Iron; Steel; Hydrogen sulphide 244 (1991)59

Diffl. pulse voltammetry; Copper; Gold; Reactor moderator water; Mercury; Waters 249(1991)447

Silver chalcogenide membranes

Ion-selective electrodes; Cyanide; Electroplated membranes 242(1991)73

Silver chloride

Potentiometry; Ion-selective electrodes; Phosphate glasses; Alkali metal-free, Anion-selective, Ion chromatography, Electron probe microanalysis 237(1990)135

Silver colloid

Raman spectrometry; Dye; Surfactant; Surface-enhanced 225 (1989)227

Silver complexes

Titrimetry; Potentiometry; Conductimetry/oscillometry; Mesoionic compounds; Photographic additives; Triazolium thiolate complexes; Stability constants, Ostwald ripeners 248 (1991)603

Silver complexes stability constants

Potentiometry; Bromide; Thiocyanate; Monte Carlo methods 215(1988)187

Silver nitrate

Algorithm; Computer; Extraction 228(1990)229

Silver substrates

Raman spectrometry; Aminoacridine; Surface enhanced, Filter-paper, Silver membrane, Glass slide 237(1990)439

Silver-wire electrode

Flow system; Potentiometry; Cyanide; Gas-diffusion separation; Membrane barrier, Selectivity 233(1990)77

Silylation

Potentiometry; Poly(hydroxyethyl methacrylate); Sensor; Semiconductor, Ion-sensitive field effect transistor 230(1990) 59

Similarity search

N.m.r. spectrometry; Data base, Proton 206(1988)173

Simplex algorithm

Gas chromatography; Essential oils; Fragrance matching 248 (1991)41

Simplex method

Spectrophotometry; Multicomponent analysis; Rare earth elements 222(1989)323

Simplex optimization

Emission spectrometry; Plasmas; Multi-element, Inductively-coupled, Wide-bore injector, Minimum interference 209 (1988)135

Conductometry; Gas chromatography; Alkanes; Hydrogen; Semiconductor gas sensors 216(1989)147

Spectrophotometry; Aluminium 223(1989)403

Spectrophotometry; Kalman filter; Matrix effect 225(1989)37

Chemiluminescence; Fuzzy linear-weight transformation, Multiple feature 236(1990)495

Flow system; Pattern recognition; Response surface mapping; Automated optimization 237(1990)361

Spectrophotometry; Lasers, tunable diode; Nitrogen oxides; Sweep averaging 241(1990)83

Advanced regular simplex algorithm 248(1991)31

Simplex search

Distribution plots; Maximal or minimal concentrations 206 (1988)189

Simulated spectra

I.r. spectrometry; Polystyrene; Silica; Dielectric function 240 (1990)187

Simulation

Cyclic voltammetry; Kinetic analysis; Orthogonal collocation; Heterogeneous equivalent formulation; Fast second-order reactions 243(1991)301

Simulation of mathematical models

Flow system; Single-line, Without chemical reaction 208 (1988)133

Simultaneous distillation-extraction

Gas chromatography; Volatile component, Natural product 226(1989)183

Single bead-string reactor

Flow system; Kinetic analysis; Spectrophotometry; Paracetamol; Optimization 204(1988)29

Skatole

Fluorimetry; Quenching; Pyridine 230(1990)213

Slags

Potentiometry; Fluoride; Ores; Direct fusion 219(1989)335

Slope estimations at terminal values

Equidistant data of three derivatives 217(1989)395

Sludges

H.p.l.c.; Ion exchange; Conductometry; Soils; Tungstate 217 (1989)383

Sodium

Flow system; Spectrophotometry; Extraction; Potassium; Waters; Silica column 214(1988)289

Extraction; Lithium; Synergic 220(1989)111

Ion-selective electrodes; Ion-sensitive field effect transistor; Fibre-optic sensor; Ionophores; Blood; Serum; Lipophilic, 1,2-Phenylenedioxydiacetamides 233(1990)295

Ion exchange; Amberlite IRC-84, Resin carboxylic protons, Cation exchange 244(1991)275

Sodium aluminate

Emission spectrometry; Bayer process, Inductively coupled plasma 221(1989)91

Sodium hydrogensulphite

Flow system; Spectrophotometry; Parenteral solutions 220 (1989)281

Sodium hydroxide

Titrimetry; Piston burette; Calibration 223(1989)461

Sodium ion membrane electrode

Potentiometry; Crown ether, PVC 212(1988)325

Sodium-selective electrode

Potentiometry; Methyl p-t-butylcalix[4]aryl acetate 204(1988) 223

Soft drinks

Amperometry; Flow system; Glucose; Foods; Enzyme electrodes; Hydrogen peroxide, Membrane 242(1991)91

Soft ionization techniques

Mass spectrometry; Lipids; Serratia marcescens 247(1991)283

Soils

Electrotherm. atomization; At. abs. spectrometry; Extraction; Palladium; Platinum; Rocks; Iodo complexes 204(1988)333

Emission spectrometry; Computer-controlled rapid-scanning echelle monochromator; Plasmas; Sediments; Trace elements; Inductively-coupled 207(1988)269

Kinetic analysis; Polarography; Biological samples; Paraquat; Photoreduction; Waters 209(1988)79

At. abs. spectrometry; Mercury; Digestion procedures, Coldvapour 209(1988)147

H.p.l.c.; Ion exchange; Conductometry; Sludges; Tungstate 217(1989)383

Liquid chrom.; Extraction; Plutonium; α -Spectrometry 220 (1989)103

Flow system; Spectrophotometry; Carboxylic acid; Food; Citric acid 221(1989)19

Flow system; Spectrophotometry; Boron; Ultrasonic leaching 226(1989)221

At. abs. spectrometry; Hydride generation; Lead; Alloys; Oxalic acid-ammonium cerium(III) nitrate-potassium tetrahydroborate medium 231(1990)151

Waters; Humic substances; Forests; Fractionation: XAD-8 hydrophobic resin 232(1990)3

N.m.r. spectrometry; Mass spectrometry; Humic substances; Waters; Fulvic acids; Isotope ratios; Amino acid analysis 232(1990)19

N.m.r. spectrometry; Humic acids; Sediments; Philippines 232(1990)31

Gas chromatography; Polycyclic aromatic hydrocarbons; Spiking procedure, 2-Methoxyethanol extraction 237(1990)451

Gas chromatography; Mass spectrometry; Chlorotriazine pesticides; Organophosphorus pesticides; Pesticides 243(1991)259

Isotope dilut. analysis; Contamination; Nitrogen; Extraction, Distillation, Drying 245(1991)49

Solid dosage formulations

At. abs. spectrometry; Electrotherm. atomization; Calcium carbonate scale; Carbonate rocks; Copper 209(1988)287

Solid samples

At. abs. spectrometry; Electrotherm. atomization; Antimony; Semiconductor silicon 201(1987)311

H.p.l.c.; Kalman filter; Robot system; One-dimensional 209 (1988)45

At. abs. spectrometry; Flow system; Microwave oven digestion; Sewage sludge; Flame, Manifold, Slurries 238(1990)417

Mass spectrometry; Spark source, Graphite rod electrode, Silver acrylic paint 242(1991)117

Flow system; Sample introduction; Ultrasonic irradiation; Iron; Plant materials; Direct introduction, Leaching 242 (1991)283

Solid-phase extraction

Liquid chrom.; Toxicity; Waters; Industrial wastewater effluents, Toxicity reduction, Fractionation 236(1990)131

Liquid chrom.; Sample preparation; Ecdysteroids; Insects; Hormones, Sep-Pak cartridge, Phenylboronic acid 236(1990) 145

Solid-phase extraction cartridges

Gas chromatography; Mass spectrometry; Petroleum hydrocarbons 204(1988)135

Solubility

Liquid chrom.; Polynuclear aromatic hydrocarbons; Cyclodextrin complexes; Formation constants; Non-inclusional assocation, Temperature dependence 232(1990)239

Gases; Henry's law 238(1990)257

Solubilization

Fluorimetry; Liquid chrom.; Benzo[a]pyrene; Polynuclear aromatic hydrocarbons; Coal washing water 243(1991)115

Solute-micelle binding constants

Liquid chrom.; Electrophoresis; Micellar, Electrokinetic 246 (1991)131

Solvent effect

Autoprotolysis constants; Carboxylic acid; Dimethylformamide 228(1990)301

Solvent extraction

Chirality; Metal chelate 221(1989)179

(Chlorophenyl)methylaroylpyrazolone; Zinc; Trioctylphosphine oxide 226(1989)187

Flow system; Zone sampling 226(1989)255

At. abs. spectrometry; Emission spectrometry; Mass spectrometry; Gold; Platinum; Zeeman effect, Graphite furnace 229 (1990)227

Solvent identification

Principal components; Chemometrics; Cluster analysis;

Ethanol; Partial least squares; Tin oxide thin-film sensor array 250(1991)257

Solvent strength

Liquid chrom.; Alumina columns; Selectivity; Retention mechanism; Polybutadiene-coated 246(1991)113

Solvent venting interface

Gas chromatography; Plasma; Microwave-induced 233(1990) 149

Sorbitol dehydrogenase

Fluorimetry; Liquid chrom.; Enzyme reactor 248(1991)367

Spatial resolution

Gas chromatography; Mass spectrometry; T.l.c.; Pattern recognition; Secondary ion, Phase-transition matrix 218(1989) 217

Speciation

Voltammetry; Waters; Trace metal, Adsorptive stripping, Chelates of solochrome violet RS 201(1987)43

Anod. stripping voltammetry; Ion exchange; Toxicity; Waters; Physicochemical, Metal to *Chlorella pyrenoidosa* 209(1988)97

Gas chromatography; At. abs. spectrometry; Alkyllead; Grass; Tree leaves 228(1990)77

Voltammetry; Waters; Copper; Computer simulation; Conditional stability constant, Cathodic stripping, Sea water, Estuarine water, Freshwater, Complexation 235(1990)287

Liquid chrom.; At. abs. spectrometry; Mercury; Waters; Preconcentration; Waste waters, Cold vapour, Microcolumn 235 (1990)399

Voltammetry; Nickel; Air; Adsorptive stripping, Magnetic extraction 235(1990)457

Cyclic voltammetry; Diffl. pulse polarography; Diffl. pulse voltammetry; Vanadium; EDTA complexes 236(1990)315

Voltammetry; Histidine; Nickel; Histidine complex, Aqueous ammonia 246(1991)301

Gas chromatography; Biological samples; Fish; Mercury; Organomercury halides; Butylation, Derivatization, Microwave-induced plasma emission detector 249(1991)545

Specification techniques

Process analysis; Structured methods; Systems analysis 238 (1990)79

Spectral feature / substructure relationships

Mass spectrometry; Pattern recognition; Artificial-intelligence program; Automated elucidation, Tandem 215(1988)169

Spectral library search

Spectrophotometry; Singular valves, Eigenvectors, Spectral subtraction 237(1990)223

Spectral primary space

Gas chromatography; Mass spectrometry; Alternating regression; Component reconstruction 250(1991)169

Spectrocoulometric study

Spectrophotometry; Coulometry; Hydrolysis of complex ion; Tris(1,10-phenanthroline)iron(III) 209(1988)87

Spectropolarimetry

Propoxyphene hydrochloride; Pharmaceuticals; Enantiomeric purity 241(1990)115

Specular reflectance

I.r. spectrometry; External reflection; Fresnel's equations, Weakly absorbing organic materials, Refractive index 240 (1990)179

Spices

Isotope dilut. analysis; Manganese; Biological samples; Foods; Thenoyltrifluoroacetone complex 234(1990)445

Spinal fluid

Voltammetry; Halides; Waters; Cathodic stripping 215(1988) 307

Spline functions

Copper; Extraction; Surface excess isotherm 206(1988)215

Spreadsheet

Liquid chrom.; Expert system 223(1989)183

Spruce needle

Mass spectrometry; Principal components; Thermal degradation; Air pollution 223(1989)371

Squalane

Gas chromatography; Apolane-87; Reference phase 225 (1989)193

Stability constants

Polarography; Conductometry; Crown ether complexes; Divalent cations 201(1987)117

Polarography; Cadmium; Lead; Oxalate, Sulphate 223(1989) 429

Spectrophotometry; Potentiometry 226(1989)323

Spectrophotometry; p-Nitrophenol adducts; Multiwavelength data treatment 242(1991)57

Stability of iron complexes

N.m.r. spectrometry; Magnetic resonance imaging agents 217 (1989)391

Staining system

Electrophoresis; Biomolecule purification; Automated 213 (1988)207

Stainless steels

Mass spectrometry; Hydrogen; Spark source, Ion-source baking, Cryogenic pump 236(1990)351

Flow system; Alloys; Plasmas; Inductively coupled, Multi-elemental analysis, Flow-through electrolytic cell 245(1991)211

Standard addition

Kinetic analysis; Fluorimetry 224(1989)225

Potentiometry; Concentration cell; Fluoride 225(1989)97

Standard solution

Methylmercury; Long-term stability 229(1990)281

Standards

Chromatography; Exponential dilution; Gaseous, Concentration gradients 236(1990)221

Starch

Flow system; Amperometry; Carbohydrate; Enzyme reactor; Immobilized glucoamylase 204(1988)43

Gel perm. chromatography; Flow system; Enzyme reactor; Glycogen; Amylase; Controlled-pore glass beads, Hydrolysis 234(1989)97

Statistical analysis

Titrimetry; Boron preservatives; Wood; Collaborative studies; Quality control; Boric acid 236(1990)423

Statistics

Edible oil; Optimization 223(1989)237

Steam distillation

Chromatography; Sample preparation; Resin extraction; Organic compounds, Aqueous samples 236(1990)43

Steel

Spectrophotometry; Extraction; Niobium 204(1988)365

Spectrophotometry; Extraction; Tungsten 208(1988)91

Spectrophotometry; Minerals; Vanadium; With methoxypromazine maleate 209(1988)293

Flow system; Spectrophotometry; Electrolytic dissolution; Molybdenum 214(1988)397

Spectrophotometry; Extraction; Molybdenum 219(1989)323

Spectrophotometry; Aluminium; Ethyl tetrabromophenolphthalein; Nickel ion; Pyridyldiphenyltriazine 221(1989)109

Potentiometry; Titrimetry; Chromium; High-alloy, Reference method, Dissolution 236(1990)399

At. abs. spectrometry; Cobalt; Aluminium alloys; Preconcentration; Tetradecyldimethylbenzylammonium thiocyanate adsorbent, Naphthalene support, Nitroso-R salt 237(1990)201

Liquid chrom.; Transition elements; Rare earth elements; Low-alloy, Post-column reaction detection, 4-(2-pyridylazo)resorcinol, Arsenazo-III 237(1990)325

Emission spectrometry; At. abs. spectrometry; Electrotherm. atomization; Plasma; Vanadium; Titanium; Inductively coupled, Tungsten boat atomizer 239(1990)139

Coulometry; Titrimetry; Silver; Iron; Hydrogen sulphide 244 (1991)59

At. abs. spectrometry; Extraction; Geological materials; Vanadium; Graphite furnace, Meteorites 246(1991)359

At. abs. spectrometry; Arsenic; Extraction; Waters; Graphite furnace, Arsenomolybdic acid 247(1991)13

Sterchamol

Gas chromatography; Dye adsorption; Methyl red; Retention mechanism 232(1990)413

Steroid labels

Chemiluminescence; H.p.l.c.; Immunoassay; Quality control 205(1988)175

Steroidal primary alcohols

Fluorimetry; Liquid chrom.; Cyanoisoindole 228(1990)307

Steroids

T.l.c.; Mass spectrometry; Peptides; Surface derivatization; Secondary ion 218(1989)231

Flow system; Chemiluminescence; Cortisone; Corticosterone; Hydrocortisone; Progesterone; Testosterone; Sulphite oxidation, Potassium bromate 239(1990)195

Mass spectrometry; Aminoandrostane quaternary salts; Pipecuronium bromide; Fast atom bombardment, Arduan 241(1990)289

Chemiluminescence; Immunoassay; Methyltestosterone; Direct reading, Microtitre plates, Luminoskan, Solid-phase 248 (1991)207

Steroids, anabolic

Gas chromatography; Mass spectrometry; Formebolone metabolism 247(1991)211

Stoichiometry

Potentiometry; Titrimetry; Semiconductors; Gallium arsenide; Arsenic 244(1991)247

Potentiometry; Titrimetry; Superconductors; Copper, Oxygen content, YBa₂Cu₃O_v 244(1991)253

Stopped-flow dialysis

Amperometry; Blood-glucose; Carbon-fibre; Glucose-oxidase 221(1989)205

Stopped-flow technique

Chemiluminescence; Hydrogen peroxide; Luminol 217(1989) 239

Flow system; Kinetic analysis; Spectrophotometry; Fluorimetry; Review 242(1991)147

Streaming potential

Flow system; Potentiometry; Proteins; Affinity column 213 (1988)79

Ion exchange; Chromatography; Selectivity coefficient 228 (1990)61

Strongly oxidizing agents

Spectrophotometry; Flow system; Monosaccharides; Manganese(VI), Copper(III) 211(1988)99

Structure determination

Computer program; X-ray absorption fine-structure; Atomic local structure 210(1988)143

Mass spectrometry; Computer program; Protein; Peptides; Antibiotics; MASSPEC, Graphics-based data system 237 (1990)459

I.r. spectrometry; Review; Automated spectral interpretation; Computer-assisted interpretation of spectra; Knowledge-based system; Library search, Pattern recognition 240(1990)3

Mass spectrometry; Adipokinetic hormones; Hormones; Peptides; *Locusta migratoria*, Fast atom bombardment, Tandem 248(1991)553

Structure generator

Molecular graphs 235(1990)221

Structure retention relationship

Gas chromatography; Alkylbenzenes 212(1988)317

Structure / property correlation

Graph theory; Molecular graph, Wiener equation 234(1990) 487

Structure / property relationships

Theoretical foundation of molecular structures 206(1988)233

Structured methods

Process analysis; Systems analysis; Specification techniques 238(1990)79

Styrene monomer

Gas chromatography; Polystyrene; Toluene solvent, Headspace 218(1989)345

Styryl derivatives of quinolizinium salts

Fluorimetry; Micellar media; Solvatochromic effect 205(1988) 129

Subambient temperature separations

Chromatography; Reversed-phase liquid chromatography 246 (1991)139

Submillimetrewave spectroscopy

I.r. spectrometry; Fluoromethane; Pure rotational transitions, Acoustic detection 240(1990)167

Substitution approach

Titrimetry; Acidity; Rain 217(1989)303

Substrate recycling

Flow system; Amperometry; Phosphate; Enzyme reactor; Coimmobilized purine nucleoside phosphorylase–xanthine oxidase, Co-immobilized purine nucleoside phosphorylase– xanthine oxidase–alkaline phosphatase 238(1990)339

Substrate-tether systems

Spectrophotometry; Aromatic diazonium ions, Immobilized probe 243(1991)103

Substructure coding

Pharmacological prediction; Toxicological prediction; Graph theory 210(1988)203

Succinylcholine

Potentiometry; Ion-selective electrodes; Membrane electrodes; Pharmaceuticals; Pancuronium; Tubocurarine; Gallamine; Muscle relaxants 238(1990)405

Sucrose

Flow system; Spectrophotometry; Molasses; Sugar-cane juice 204(1988)259

Spectrophotometry; Flow system; Molasses; Sugar-cane juice 214(1988)247

Potentiometry; Kinetic analysis; Lactose; Periodate-selective electrode 224(1989)159

Amperometry; Enzyme electrode; Glucose; Immobilized invertase, Beverages 236(1990)245

Amperometry; Biosensors; Enzyme reactor; Foods; Yeast cell walls; Invertase, Mutarotation, Phosphate 247(1991)83

Flow system; Spectrophotometry; Fluorimetry; Ethanol; Fermentation; Foods; Fruit juices; Glucose; Process analysis; Pullulan; Microorganism filtration unit, Baker's yeast 249 (1991)137

Sugar-cane juice

Flow system; Spectrophotometry; Molasses; Sucrose 204 (1988)259

Spectrophotometry; Flow system; Molasses; Sucrose 214 (1988)247

Sugars

H.p.l.c.; Fermentation of whey; On-line, Ultrafiltration 204 (1988)127

Flow system; Chemiluminescence; Enzyme reactors 205 (1988)195

Quartz crystal resonator; Viscous liquids; Alcohols; Piezoelectric sensor 231(1990)317

Flow system; Lactic acid; Protein; Biomass; Fermentation; Enzyme reactor; On-line 237(1990)165

Thermom. analysis; Process analysis; Biosensor; Enzyme thermistor; Glucose, Maltose, Sucrose, Fermentation 238(1990)211

Liquid chrom.; Flow system; Cyclic voltammetry; Amperometry; Carbohydrates; Nickel-catalysed glassy carbon electrode 248(1991)117

Sulphamethizole

Kinetic analysis; Potentiometry; Cephalexin; Cetyltrimethylammonium bromide; Pharmaceuticals; Micellar catalysis 219(1989)295

Sulphapyridine

Voltammetry; Electrochemical oxidation, Graphite electrode 228(1990)273

Sulphate

H.p.l.c.; Conductometry; Air; Nitrate; Nitrite; Passive monitors 217(1989)135

Spectrophotometry; Flow system; Water 228(1990)287

Flow system; Amperometry; Calibration; Indirect determination 238(1990)431

Emission spectrom.; Disulphur; Disulphur molecular emission 243(1991)227

Flow system; Spectrophotometry; Waters; In-line preconcentration, Anion-exchange resin, Methylthymol blue-barium complexation 244(1990)109

Sulphide

Spectrophotometry; At. abs. spectrometry; Extraction; Fluoride; Phosphate 208(1988)313

Emission spectrometry; Flow system; Molecular emission cavity analysis 225(1989)359

Spectrophotometry; Caustic scrubbing liquor; Mercaptan; Simultaneous determination 226(1989)165

Sulphide minerals

Voltammetry; Iron pyrite; Cationic surfactants 207(1988)311

Sulphide sensor

Potentiometry; Air-gap 204(1988)213

Sulphite

Spectrophotometry; Flow system; Brine; Potassium chloride; Process analysis; 5,5'-Dithiobis(2-nitrobenzoic acid) 238 (1990)171

Sulphite electrode

Potentiometry; Polymeric-membrane 217(1989)123

Sulphonamides

Flow system; Pharmaceuticals; Serum; Urine 204(1988)271

Spectrophotometry; Arylamine; Micelle; Diazotization, Pharmaceutical preparation 223(1989)327

Spectrophotometry; Derivative spectroscopy; Pharmaceuticals; Bratton-Marshall reaction, Urine, Honey 233(1990)289

Kinetic analysis; Spectrophotometry; Pharmaceuticals; Azo dye, Continuous addition of reagent 237(1990)353

Flow system; Spectrophotometry; Arylamines; Diazotization, Coupling, Micellar medium 242(1991)143

Sulphonic resin

Ion exchange; Carboxylic resin; Cation affinity; Phosphinic resin 225(1989)323

Sulphosalicylate

Liquid chrom.; Iron; Phenanthroline 224(1989)65

Sulphur

Electrotherm. atomization; Spectrophotometry; Fuel oils; Carbon sulphide molecules 201(1987)59

Isotope dilut. analysis; Extraction; Plants 219(1989)97

Emission spectrometry; Molecular emission cavity analysis; Quenching, Oxygen-hydrogen flame 235(1990)413

Titrimetry; Ion exchange; Chromatography; Process analysis; Gas treatment; Thiols; Automated titrator 238(1990)161

Flow system; Spectrophotometry; Turbidimetry/nephelometry; Plant materials; Waters; Two-line manifold 249(1991)479

Sulphur anions

H.p.l.c. 207(1988)301

Flow system; Kinetic analysis; Catalyzed iodine-azide reaction 211(1988)299

Sulphur dioxide

Conductometry; Air; Wall-jet detector; Preconcentration in water 203(1987)1

Fluorimetry; Air; Fibre-optic sensor 208(1988)53

Flow system; Chemiluminescence; Wines; Young white 214 (1988)429

Piezoelectric sensing; Organophosphine transition metal complexes 217(1989)101

Opto-acoustic spectroscopy; Gases; Ultraviolet laser 218 (1989)101

Flow system; Carbon dioxide; Wine; Gas-diffusion 225(1989) 443

Spectrophotometry; Copper complex; Optical waveguide; Sensor 226(1989)153

Flow system; Amperometry; Air; Alcohols; Enzyme reactor; Gas detection; Hydrogen peroxide; Continuous monitoring, Platinum electrode 248(1991)379

Sulphur hexafluoride

Gas chromatography; Helium-3; Sea water; Tracers; Waters; Concentration mapping, Continuous underway analysis, Gas exchange 249(1991)555

Sulphur poisoning

Electron probe analysis; Hydrogenation; Nickel catalyst 226 (1989)43

Sulphur residues

Polarography; H.p.l.c.; Grapes; Wheat; Sampled d.c., Differential pulse 207(1988)305

Sulphur sample

Fluorimetry; Selenium 206(1988)345

Sulphur valence states

Kalman filter; Peak resolution 248(1991)257

Sulphur-containing pesticides

Amperometry; H.p.l.c.; Pulsed, Reversed-phase 215(1988)1

Sulphydryl compounds

Amperometry; Chemically modified electrodes; Rotating graphite electrodes, Electrocatalytic oxidation 243(1991)287

Superconducting ceramics

Chemiluminescence; Metastable transfer emission spectrometry; Thermally labile oxygen; High-temperature, Microwave discharge 217(1989)53

Superconductors

Emission spectrometry; Barium; Copper; Yttrium; Inductively coupled plasma 221(1989)167

Ceramics; Oxygen valence, Quantum-field model 233(1990)155

Titrimetry; Potentiometry; Oxygen; x in YBa₂Cu₃O_{6.5+x} 237 (1990)421

I.r. spectrometry; Vibrational structure; Reflectance, Ceramic 240(1991)273

Potentiometry; Titrimetry; Stoichiometry; Copper, Oxygen content, YBa₂Cu₃O_v 244(1991)253

Supercritical fluid extraction

H.p.l.c.; Caffeine; Morphine; Plant materials; Quinine; Serum 213(1988)237

Liquid chrom.; Extraction; Polycyclic aromatic hydrocarbons; Supercritical fluid chromatography, Microextractor cell geometry 248(1991)263

Superoxide

Electron spin res.; Oxygen free radicals; Copper complexes, Hydroxyl radicals 243(1991)221

Superoxide dismutase

Amperometry; pH; Xanthine oxidase 222(1989)247

Superoxide dismutase activity

Flow system; Amperometry; Oxygen probe 211(1988)195

Superoxide generation

E.s.r.; Chemiluminescence 218(1989)179

Supervised learning

Pattern recognition; Environmental analysis; Class-in-class modelling 243(1991)311

Supervised technique

Pattern recognition; Classification; Sample size 223(1989)19

Surface acoustic wave sensors

Opto-acoustic spectrom.; Adsorption isotherms; Gases; Humidity correction algorithm 248(1991)337

Surface analysis

Fuzzy theory; Homogeneity, Depth profiles 239(1990)61

Mass spectrometry; X-ray fluores. spectrometry; Glassy carbon electrodes; Scanning electron microscopy; Electrochemical modification, Solid-state characterization 248(1991)127

Surface analysis of tablets

Phosphorimetry; Room-temperature 205(1988)279

Surface derivatization

T.l.c.; Mass spectrometry; Peptides; Steroids; Secondary ion 218(1989)231

Surface electromagnetic wave spectrometry

I.r. spectrometry; Radiometry; Thin solid films, Optical properties, Quartz resonators 240(1990)219

Surface electromagnetic waves

I.r. spectrometry; Thin films; Fourier transform 240(1990)235

Surface excess concentration

Mass spectrometry; Peptide; Fast atom bombardment 223 (1989)349

Surface excess isotherm

Copper; Extraction; Spline functions 206(1988)215

Surface plasmon resonance immunosensors

Immunoassay; Sensitivity 213(1988)35

Surface-active substances

Polarography; Voltammetry; Phytoplankton bloom; Humic substances 232(1990)131

Surfactant vesicles

Fluorimetry; Aluminium; Quinolin-8-ol-5-sulphonic acid; Water, Dialysis fluid 234(1990)181

Surfactants

Flow system; Conductometry; Spectrophotometry; Critical micelle concentrations; Ionic, Nonionic 209(1988)111

Raman spectrometry; Dye; Silver colloid; Surface-enhanced 225(1989)227

Voltammetry; Cobalt; Mercury electrode 228(1990)55

Mass spectrometry; Fourier transform; Textiles; Laser desorption 228(1990)169

Polarography; Tensammetry; Non-ionic, Hanging mercury drop electrode, Adsorption errors 231(1990)77

Liquid chrom.; Nonylphenol polyglycol ether; Non-ionic 236 (1990)273

Diffl. pulse voltammetry; Fast scan 237(1990)233

Flow system; Chemiluminescence; Waters; Sea water; Non-idet AT 85, Rhodamine B sensitizer 239(1990)189

Anod. stripping voltammetry; Extraction; Anionic, Ethylene-diaminecopper extractant 244(1991)197

Spectrophotometry; Flow system; Dyes; Quaternary ammonium, Sodium dodecyl sulphate 246(1991)333

Polarography; Progesterone; Linear sweep, Cetyltrimethylammonium bromide 248(1991)103

Sweat

Mass spectrometry; Biological samples; Liquid ionization; Diethylene glycol, Exercise 246(1991)405

Sweeteners

Potentiometry; Aspartame; Enzyme electrode 206(1988)369

Switch devices

Immunoassay; Clinical test devices; Disposable analytical devices; Printed liquidic circuits 249(1991)263

Symbolic logic

I.r. spectrometry; Automated structure elucidation; Computer program 220(1989)155

Symmetric distance measures

Mass spectrometry 201(1987)225

Synergic adsorption

Voltammetry; Natural waters; Uranium 221(1989)279

SYNGEN program

Organic synthesis design 235(1990)103

Syringe dispenser

Electropneumatic 221(1989)189

Systems analysis

Process analysis; Structured methods; Specification techniques 238(1990)79

T

Tagetes

Mass spectrometry; Leaf gland secretions; Thiophenes; Tandem 232(1990)253

Taguchi gas sensors

Semiconductor gas sensors; Tin oxide gas sensors; Test rig 249(1991)413

Talo

I.r. spectrometry; Geological samples 217(1989)353

Tandem sector mass spectrometers

Mass spectrometry; Biological samples; Macromolecules; Fourier transform 250(1991)105

Tantalum

Spectrophotometry; Niobium; Reversed matrix representation; Multicomponent mixtures 212(1988)145

Spectrophotometry; 4,5-Dibromo-o-nitrophenylfluorone 231 (1990)101

Tartrate

Spectrophotometry; Enantioselective optode; 1-Phenylethylamine, Propranolol, Norephedrine 246(1991)251

Tea leaves

Electrotherm. atomization; At. abs. spectrometry; Phosphorus; Plant materials 208(1988)351

Teaching

Process analysis; Education 238(1990)63

Technetium

Kinetic analysis; Spectrophotometry; Nuclear fuels; Vegetation 207(1988)233

Voltammetry; Glassy carbon, Tri-n-octylphosphine oxide, Differential-pulse, Cathodic stripping 211(1988)317

Ion exchange; Environmental sample; Extraction 228(1990)163

Teeth

Mass spectrometry; Biomineralization; Biomaterials; Bone; Secondary ion 241(1990)299

Tellurium

At. abs. spectrometry; Hydride generation; Masking of interference 208(1988)347

Ion exchange; At. abs. spectrometry; Cobalt; Copper; Manganese; Nickel 212(1988)191

At. abs. spectrometry; Gold; Palladium; Platinum; Rhodium; Silver; Selenium; Geological samples; Reductive coprecipitation; Graphite furnace, Mercury collector, Matrix modification 231(1990)273

Temazepam

Diffl. pulse voltammetry; Voltammetry; Oxazepam; Camazepam; Benzodiazepines; Human serum albumin, Adsorptive stripping voltammetry 244(1991)49

Temperature programmed decomposition

Gas chromatography; Carbon dioxide; Carbon monoxide; Methane 217(1989)197

Teniposide

Flow system; Spectrophotometry; Etoposide; On-line electrochemical derivatization; Plasma; Diode-array detection 202 (1987)35

Flow system; Blood serum; Multivariate calibration 241(1990) 23

Tensammetry

Voltammetry; Oxyethylated alcohols; Accumulation, Hanging mercury drop electrode 202(1987)85

Voltammetry; Oxyethylated alcohols; Accumulation, Hanging mercury drop electrode, Mixtures 202(1987)97

Cationic detergent; multivariate calibration 223(1989)387

Polarography; Surfactants; Non-ionic, Hanging mercury drop electrode, Adsorption errors 231(1990)77

Terbium

Fluorimetry; Samarium; Europium; Hexafluoroacetylacetone-trioctylphosphine oxide-Triton X-100 231(1990)157

Fluorimetry; Nucleic acids; Phenanthroline, DNA, RNA 248 (1991)589

Ternary complex

Flow system; Fluorimetry; Fluoride; On-line; Calcein blue, Zirconium 230(1990)137

Ternary cyclodextrin complexes

Fluorimetry; Pyrene 207(1988)251

Ternary solvent

Potentiometry; Autoprotolysis constant; Water-dioxanemethanol 229(1990)261

Ternary system

Ion exchange; Citric acid; Dissociation constant 222(1989)189

Terns

Fluorimetry; Polynuclear aromatic hydrocarbons; Shpol'skii technique; Mussels; Biological samples 232(1990)245

Terpenoid identification

N.m.r. spectrometry; Carbon-13 nuclear magnetic resonance; Computer-aided; Natural products 236(1990)501

Tertiary alkylamines

Spectrophotometry; Extraction; Fabric conditioners; Hair conditioners; Quaternary ammonium salts 219(1989)239

Test strip

Amperometry; Alkaline phosphatase; Bovine liver; Theophylline; Whole blood 229(1990)57

Testosterone

Immunoassay; Saliva 207(1988)161

Flow system; Chemiluminescence; Steroids; Cortisone; Corticosterone; Hydrocortisone; Progesterone; Sulphite oxidation, Potassium bromate 239(1990)195

Immunoassay; Osmotic pump; Saliva; In situ collection device 248(1991)517

Tetra-n-octylammonium fluoride

Titrimetry; Conductometry; Anions; Long-chain quaternary ammonium fluorides 238(1990)389

Tetraalkylammonium sulphonates

Spectrophotometry; Gas chromatography; H.p.l.c. 218(1989) 241

Tetrabutylammonium alkylsulfonates

Gas chromatography; Anion chain length, Partition coefficients 246(1991)171

Tetracycline

Flow system; Chemiluminescence 205(1988)261

Tetraethylthiuram disulphide

At. abs. spectrometry; Mercury complex; Tetramethylene dithiocarbamate; Graphite furnace 226(1989)203

Tetrahydroborate reductive precipitation

Electrotherm. atomization; At. abs. spectrometry; Sea water; Trace elements; Preconcentration 207(1988)291

Tetrahydrofuran

Liquid chrom.; Oxo-steroids; Dansylhydrazones 225(1989)421

Tetraiodopalladate

Spectrophotometry; Quaternary ammonium cation; Liquid-liquid distribution 229(1990)121

Tetramethylene dithiocarbamate

At. abs. spectrometry; Mercury complex; Tetraethylthiuram disulphide; Graphite furnace 226(1989)203

Tetramethylenebis(triphenylphosphonium) cation

Flow system; Spectrophotometry; Dichromate; Extraction 225(1989)241

Flow system; Spectrophotometry; Bismuth 225(1989)449

Tetraphenylporphinecobalt(II)

Kinetic analysis; Spectrophotometry; Norbornadiene derivatives; Photochromism; Porous glass beads, Immobilized 243 (1991)97

Tetrathiafulvalene mediator

Amperometry; Lactate; Enzyme electrode; Carbon foil, Lactate oxidase 234(1990)459

Tetrathio ether

Metal ion; Polythioether; Separation 221(1989)99

Tetrathio ethers, cyclic

Spectrophotometry; Copper; Extraction; Liquid-liquid 237 (1990)245

Textiles

Potentiometry; Sensor; Microelectrode 226(1989)247

Mass spectrometry; Fourier transform; Surfactant; Laser desorption 228(1990)169

Thallimetric photochemical oxidation

Spectrophotometry; Titrimetry; Oxalate; Hydrogen peroxide 242(1991)229

Thallium

Electrotherm. atomization; At. abs. spectrometry; Extraction; Gold; Silver; Urine; Flame, Iodide complexes 207(1988)283

Anod. stripping voltammetry; Cadmium; Extraction; Indium; Lead; Diethyldithiocarbamates 208(1988)219

Activ. analysis; Zinc metal; Proton 220(1989)93

Spectrophotometry; Crown ether 222(1989)215

At. abs. spectrometry; Graphite furnace, Matrix modifiers 243(1991)239

Theobromine

Spectrophotometry; Caffeine; Cocoa beans; Chloroform extraction 232(1990)409

Liquid chrom.; Phosphorimetry; Caffeine; Theophylline; Solid-surface room-temperature 244(1991)215

Theophylline

Amperometry; Alkaline phosphatase; Bovine liver; Test strip; Whole blood 229(1990)57

Liquid chrom.; Phosphorimetry; Caffeine; Theobromine; Solid-surface room-temperature 244(1991)215

Thermal degradation

Mass spectrometry; Principal components; Spruce needle; Air pollution 223(1989)371

Thermal lens

Spectrophotometry; Argon ion laser, Helium-neon laser, Multi-wavelength 235(1990)445

Spectrophotometry; Semiconductor laser; Iron; 2-Nitroso-5-diethylaminophenol 243(1991)109

Spectrophotometry; Nitrogen dioxide; Pulsed carbon dioxide laser, Excimer-laser-pumped 245(1991)191

Spectrophotometry; Aluminium; Mode mismatched 250 (1991)95

Thermally labile oxygen

Chemiluminescence; Metastable transfer emission spectrometry; Superconducting ceramics; High-temperature, Microwave discharge 217(1989)53

Thermistors

Flow system; Fluorimetry; Biosensors; Fermentation; Field-effect transistors; Process analysis; Ethanol, Mannitol, Penicillin, Urea, Sugars 249(1991)25

Thermometers

Thermom. analysis; Capillary melting-point apparatus; Calibration; International Temperature Scale, Fluxed highly pure metals 237(1990)241

Thiamine hydrochloride

Kinetic analysis; Potentiometry; Ascorbic acid; Biotin; *N*-bromosuccinimide; Pyridoxine hydrochloride 227(1989)405

Thienodiazepines

Liquid chrom.; Spectrophotometry; Amperometry; Coulometry; Pharmaceuticals 234(1990)175

Thin films

I.r. spectrometry; Surface electromagnetic waves; Fourier transform 240(1990)235

Thiobenzamides

Kinetic analysis; Spectrophotometry; Catalysis, Partition coefficients 212(1988)279

Thiocyanate

Polarography; Saliva; Linear-sweep 212(1988)43

Flow system; Spectrophotometry; Cyanide; Microporous membrane 214(1988)259

Potentiometry; Bromide; Silver complexes stability constants; Monte Carlo methods 215(1988)187

Spectrophotometry; Flow system; Cyanide 220(1989)65

Thiol-bimane derivatives

H.p.l.c.; Fluorimetry; Reversed-phase 205(1988)43

Thiols

H.p.l.c.; Fluorimetry; Disulphides; Rat tissues; Pre-column derivatization 205(1988)29

Amperometry; Flow system; Nickel oxide electrode 229(1990) 191

Coulometry; Hydrogen ion; Mercury; Platinum anode, Acetic acid-acetic anhydride 229(1990)221

Liquid chrom.; Waters; Dithiobis(nitropyridine) derivatization, Phthalaldehyde derivatization, Tributylphosphine, Sep-Pak cartridge extraction 236(1990)363

Titrimetry; Ion exchange; Chromatography; Process analysis; Gas treatment; Sulphur; Automated titrator 238(1990)161

Thiophenes

Mass spectrometry; *Tagetes*; Leaf gland secretions; Tandem 232(1990)253

Thiopurine

Liquid chrom.; Electrochemical activation; Enzymatic activation; Oxidation; Micellar, Horseradish peroxidase 237 (1990)305

Thiopurine compounds

H.p.l.c.; Serum; Micelles as mobile phase 212(1988)181

Thiuram disulphides

Titrimetry; Iodine-azide reaction, Induction coefficients, Dithiocarbamates 243(1991)201

Thorium

Fluorimetry; Salicylaldehyde carbohydrazone 224(1989)153

Flow system; Organized media; Micellar media; Insoluble systems; Uranium; Rare earth elements; 1-(2-Pyridylazo)-2-naphthol, Arsenazo III 234(1990)239

Liquid chrom.; Rare earth elements; Chromium; Ores; Ion pairing, Complexes, Precolumn derivatization 237(1990)311

Three-dimensional analysis

Mass spectrometry; Electron probe analysis; Ion-microprobe; Review; Secondary-ion 216(1989)25

Thylakoid membranes

Amperometry; Biosensors; Chloroplast membranes; Phytotoxicity; Waters; Herbicides, Heavy metals, Photoelectrochemical cell 249(1991)55

Thyroxine

Chemiluminescence; Flow system; Immunoassay; Haptens; Enzyme system; Horseradish peroxidase, Luminol 237(1990) 285

Tifluadom

Cyclic voltammetry; Modified electrode; Preconcentration 228(1990)265

Time-domain differentiation

Liquid chrom.; Computerized peak resolution; Propyl gallate; Butylhydroquinone; Antioxidants; Foods 234(1990)263

Time-of-flight mass spectrometer

Mass spectrometry; Peptides; Proteins; Matrix-assisted, Laser desorption, Pulsed nitrogen laser 248(1991)541

Time-resolved absorption spectra

Spectrophotometry; Electrolysis; Dichloroanthracene; Xenon pulse-flash lamp, Millisecond reactions 245(1991)199

Time-series analysis

Process analysis; Cusum technique 238(1990)55

Tin

Emission spectrometry; Hydride generation; Molecular emission cavity analysis 209(1988)275

Voltammetry; Adsorptive collection; Sea water; Cathodic stripping voltammetry 222(1989)43

Raman spectrometry; X-ray photoelectron spectroscopy; Auger electron spectroscopy; Antitarnish film; Ethylenediaminetetra(methylidenephosphonic acid) 238(1990)399

At. abs. spectrometry; Rocks; Graphite furnace, Silicate 239 (1990)145

Polarography; Complexation; Dimethylformamide; Acetonitrile; Free energy of transfer, Stability constants 242(1991)295

Tin oxide gas sensors

Semiconductor gas sensors; Taguchi gas sensors; Test rig 249(1991)413

Tin oxide thin-film sensor array

Principal components; Chemometrics; Cluster analysis; Ethanol; Partial least squares; Solvent identification 250 (1991)257

Tissue

Fluorimetry; Densitometry; Photomicrography 227(1989)235

Fluorimetry 227(1989)243

Fluorimetry; Chemiluminescence; Charge coupled device 227 (1989)257

Liquid chrom.; Amperometry; Microbe 229(1990)139

Tissue extracts

Chemiluminescence; Immunoassay; Choline acetyltransferase 205(1988)183

Tissue samples

Fluorimetry; Aldose reductase 206(1988)357

Titanium

At. abs. spectrometry; Experimental design; Glass ceramics; Nitrous oxide/acetylene 203(1987)55

Voltammetry; Adsorptive collection; Sea water; Cathodic stripping voltammetry 221(1989)269

Emission spectrometry; At. abs. spectrometry; Electrotherm. atomization; Plasma; Vanadium; Steel; Inductively coupled, Tungsten boat atomizer 239(1990)139

Mass spectrometry; Boron; Plasmas; Inductively coupled; Reference material, Homogeneity 244(1991)115

Voltammetry; Sea water; Cathodic stripping, Chlorate catalysis 245(1991)167

Activ. analysis; Niobium; Proton activation 247(1991)133

Titanium dioxide

Flow system; Conductometry; Waters; Organic pollutants; Film reactor; Immobilized 231(1990)13

Tobacco smoke

Gas chromatography; Cigarettes; Alkanes, Hydrocarbons, Particulate matter 236(1990)213

Tofisopam

Fluorimetry; Benzodiazepine 227(1989)315

Tolnaftate

Liquid chrom.; Spectrophotometry; Dermatological preparation; Undecenoic acid 229(1990)255

Toluene

Piezoelectric sensing; Antibody-coated sensors; Pesticides; Film-free 217(1989)111

Toluene metabolite

Mass spectrometry; Urine; Silicone membrane source 224 (1989)119

Tomatoes

Process analysis; Colour monitoring, Tristimulus colorimeters 238(1990)231

Total organic carbon

Conductometry; Volatile organic carbon; Waters; Denuder/electrolytic conductivity flow cell 220(1989)1

Conductometry; Photocatalytic oxidation; Waters; Carbon dioxide 233(1990)171

Toxic compounds

Mass spectrometry; Pattern recognition; Inductive expert system; SIMCA class modeling 211(1988)11

Chemiluminescence; Environmental pollutants; Recombinant DNA; *Escherichia coli* bioluminescence, Sodium azide, Chloramphenicol 244(1991)201

Toxicity

Anod. stripping voltammetry; Ion exchange; Speciation; Waters; Physicochemical, Metal to *Chlorella pyrenoidosa* 209 (1988)97

Liquid chrom.; Solid-phase extraction; Waters; Industrial wastewater effluents, Toxicity reduction, Fractionation 236 (1990)131

Toxicological prediction

Pharmacological prediction; Substructure coding; Graph theory 210(1988)203

Toxins

Immunoassay; Potentiometry; Biosensors; Capacitance; Enterotoxin B; Semiconductors; Antibody fixation, Grafted immunospecies 249(1991)367

Trace element determination

Microwave digestion 236(1990)337

Trace elements

Certification of reference material; Serum; Freeze-dried human 204(1988)63

Emission spectrometry; Computer-controlled rapid-scanning echelle monochromator; Plasmas; Sediments; Soils; Inductively-coupled 207(1988)269

Electrotherm. atomization; At. abs. spectrometry; Sea water; Tetrahydroborate reductive precipitation; Preconcentration 207(1988)291

Ion exchange; At. abs. spectrometry; Spectrophotometry; Manganese metal 215(1988)111

Ion exchange; At. abs. spectrometry; Spectrophotometry; Manganese metal 215(1988)317

Activ. analysis; Environmental materials; Instrumental neutron 219(1989)317

Principal components; Electrotherm. atomization; At. abs. spectrometry; Mussels; Polluted and unpolluted 220(1989)135

At. abs. spectrometry; Gallium trichloride; Volatilization; Electrothermal atomization 226(1989)193

Voltammetry; Waters; Sea water; Lake water; In situ measurements, Copper, Lead, Cadmium, Zinc 237(1990)429

Spectrophotometry; Preconcentration; Copper; Reductive matrix precipitation, Copper oxide, Copper thiocyanate 242 (1991)99

Voltammetry; Sea water; Waters; Adsorptive deposition, Cathodic stripping 250(1991)265

Trace metals

Principal components; Electrotherm. atomization; At. abs. spectrometry; Milk; Cow 201(1987)253

Voltammetry; Anod. stripping voltammetry; Metal alloys; Second-harmonic phase-selective a.c. 204(1988)189

Spectrophotometry; Extraction; Waters; 1,3-Dimethyl-4-acetyl-2-pyrazolin-5-one 207(1988)137

Mass spectrometry; Plasmas; Signal suppression; Inductively-coupled, Internal standard 211(1988)91

Activ. analysis; Ion exchange; Serum 211(1988)231

At. abs. spectrometry; Platinum metal; Flame, Pulse aspiration 211(1988)311

Anod. stripping voltammetry; Diffl. pulse polarography; Flow system; Waters; Differential-pulse 215(1988)13

At. abs. spectrometry; Sediments; Nitric acid digestion 218 (1989)335

Spectrophotometry; Extraction; Hydroxyquinoline; Multicomponent analysis 226(1989)271

Chromatography; Ion exchange; Chemiluminescence; Multielement detection; Waters; Co-EDTA post-column reagent, Luminol-peroxide, Zinc, Aluminium 237(1990)291

Principal components; Multivariate component analysis; Partial least squares; Tungsten wire 241(1990)147

Mass spectrometry; Isotopes; Clinical analysis; Fast atom bombardment, Monohydride formation 241(1990)249

Multivariate correlation analysis; River water; Atmospheric sampling 242(1991)5

Pattern recognition; Eye cataracts 242(1991)11

Principal components; At. abs. spectrometry; Oysters 248 (1991)51

At. abs. spectrometry; Electrotherm. atomization; Extraction; Tungsten hexafluoride; Trioctylamine 248(1991)235

Flow system; Emission spectrom.; Plasmas; Preconcentration; Sea water; Urine; Waters; Inductively coupled, Chelating resin 248(1991)241

Voltammetry; Cadmium; Iridium microelectrode; Lead; Waters; Mercury-plated iridium disc, Square-wave stripping voltammetry 249(1991)419

Activ. analysis; At. abs. spectrometry; Cadmium; Cobalt; Copper; Mercury; Preconcentration; Waters; Zinc; Poly(acrylamidoxime) resin 249(1991)533

Trace organic compounds

Spectrophotometry; Flow system; Membrane-separation 214 (1988)299

Gas chromatography; Review; Waters; Preconcentration; Liquid-liquid extraction, Solid sorbents, Headspace techniques, Gas extraction, Volatile compounds 237(1990)1

Trace organic fluorescent compounds

Fluorimetry; Electroluminescence; Oxide-covered aluminium electrode 207(1988)195

Tracers

Gas chromatography; Helium-3; Sea water; Sulphur hexafluoride; Waters; Concentration mapping, Continuous underway analysis, Gas exchange 249(1991)555

Training

Industrial analysis 238(1990)239

Training sets

Pattern recognition; Discriminants 249(1991)305

Tranquillizer

Liquid chrom.; Spectrophotometry; T.l.c.; Carazolol; Pig kidney 225(1989)137

Transduction

Fluorimetry; Enzyme reaction; Lipid membrane; Fluorescence microscopy; Nitrobenzoxadiazolephosphatidylethanolamine fluorophore, Acetylcholinesterase, Acetylcholine substrate 237(1990)253

Analyte recognition; Carriers; Enzymes; Molecular interaction; Optical sensing 250(1991)181

Transferrin

Fluorimetry; Calmodulin; Förster energy transfer; Protein dynamics 205(1988)161

Transient signals

Flow system; Auto-by-cross correlation; Photoionization spectroscopy; Signal processing; Transient photocurrent, Laser-excited photoionization 248(1991)195

Transition elements

Liquid chrom.; Steels; Rare earth elements; Low-alloy, Post-column reaction detection, 4-(2-pyridylazo)resorcinol, Arsenazo-III 237(1990)325

Transition metal chelate

Liquid chrom.; Pyridylazophenols; Ion-pair 223(1989)339

Transition metal ions

E.s.r.; Variation of temperature, First-derivative 218(1989)93

At. abs. spectrometry; Antimony; Interferences; Hydride generation, Sodium tetrahydroborate 244(1991)129

Transition metals

Liquid chrom.; Bromopyridylazodiethylaminophenol; Chelation; Mineral sample; Water 230(1990)23

T.l.c.; Halo complexes, Sulphuric acid 246(1991)451

Transmission electron microscopy

Waters; Natural organic matter 232(1990)107

Transport behaviour

Spectrophotometry; Nitric acid; Ultracentrifuge; Water; Tributyl phosphate/n-dodecane mixtures 201(1987)135

Tree leaves

Gas chromatography; At. abs. spectrometry; Alkyllead; Grass; Speciation 228(1990)77

Triazolium thiolate complexes

Titrimetry; Potentiometry; Conductimetry/oscillometry; Mesoionic compounds; Photographic additives; Silver complexes; Stability constants, Ostwald ripeners 248(1991)603

Tributyltin oxide

H.p.l.c.; Amperometry; Polarographic studies 204(1988)151

Gas chromatography; At. abs. spectrometry; Hydride generation; Urine; Wood preservatives 246(1991)351

Trichloroethane

Adsorption; Denuder tube; Nitrobenzene; Platinum/lead collection surface 226(1989)145

Trichothecenes

Mass spectrometry; Gas chromatography; Heptafluorobutyrate esters, Negative-ion chemical ionization, Tandem 204 (1988)233

Tridodecylamine

Flow system; Potentiometry; Octadecyl isonicotinate; Neutral carrier 221(1989)139

Triethylenethiophosphoramide

Fluorimetry; Blood 201(1987)77

Trifluoroacetophenones

Potentiometry; Ion-selective electrodes; Anion selectivity; Neutral ionophores, Solvent-polymeric membranes 233(1990) 41

Trifluoroethanol

Fluorimetry; Aza-aromatics; Hydrogen-bonding solvent, Fluorescence enhancement 234(1990)353

Trihydroxyazobenzene

I.r. spectrometry; Spectrophotometry; Chlorotriazine; Immobilization; Silica gel; Diffuse-reflectance 228(1990)235

Trihydroxyindole

Flow system; Fluorimetry; Epinephrine; Norepinephrine; Urine 229(1990)27

Trimethylamine oxide

Potentiometry; Biosensors; Chemoreceptors; Crab antennular receptrodes; Hawaiian crabs 243(1991)157

Trimethylchlorostannane

I.r. spectrometry; Solvation 240(1990)199

Trimetoquinol hydrochloride

Chromatography; Chiral separation; Optical purity; Micellar electrokinetic chromatography; Laudanosoline, Norlaudanosoline, Laudanosine, Sodium taurodeoxycholate 236 (1990)281

Trinitrobenzenesulphonic acid

Kinetic analysis; Amino acid; Kalman filter 224(1989)263

Trinitrotoluene

Spectrophotometry; Optical membrane; Waters; Clear, Amine-containing poly(vinyl chloride) 217(1989)217

Fluorimetry; Reflectance spectrometry; Fibre optic; In situ; Poly(vinyl chloride); Sensor 221(1989)1

Liquid chrom.; Aminonitrotoluenes 231(1990)313

Fluorimetry; Waters; Nitro compounds; Explosives; Dinitrotoluene; Hexahydrotrinitrotriazine; In situ optical detection, Fluorescence quenching 237(1990)265

Tripeptides

Raman spectrometry; Surface enhanced, Colloidal silver 246 (1991)75

Triphenyltin acetate

Voltammetry; Glassy carbon electrode 224(1989)97

Triterpanes

Pattern recognition; Compatibility; Eigenvector; Oil 223 (1989)45

Gas chromatography; Mass spectrometry; Biomarkers; Hopanes; Petroleum; Crude oil 235(1990)375

Trito

Fluorimetry; Liquid chrom.; Phthalaldehyde; Fluorescamine; Cyclodextrin; Pharmaceuticals 234(1990)187

Trivalent metal sulphates

Coulometry; Titrimetry; Potentiometry; Alkali metal halides; Hydrogen/palladium electrode 202(1987)231

Trypsin

Electrophoresis; Proteinase; Enzyme activities; Papain; Chromogenic substrates, N-Benzoyl-DL-arginine p-nitroanilide 238(1990)331

Tryptophan

H.p.l.c.; Fluorimetry; Amino acids; Photochemical reactor 205(1988)7

Fluorimetry; Phenylglyoxal, Fluorogenic reagent 248(1991)213

Tubocurarine

Potentiometry; Ion-selective electrodes; Membrane electrodes; Pharmaceuticals; Pancuronium; Gallamine; Succinylcholine; Muscle relaxants 238(1990)405

Tubular electrode

Flow system; Potentiometry; Diethylbarbiturate; Pharmaceuticals 234(1990)221

Tumorigenic cells

Fluorimetry; Adriamycin; Binding; Cisplatin; Terbium luminescence 205(1988)77

Tungstate

H.p.l.c.; Ion exchange; Conductometry; Sludges; Soils 217 (1989)383

Tungsten

Spectrophotometry; Extraction; Steels 208(1988)91

Polarography; Ion exchange; Molybdenum; Seawater; Waters; Catalytic current, Preconcentration 218(1989)25

Tungsten electrode

Potentiometry; Enzyme electrodes; Urea; Immobilized, Urease 239(1990)269

Tungsten hexafluoride

At. abs. spectrometry; Electrotherm. atomization; Extraction; Trace metals; Trioctylamine 248(1991)235

Turnip extract

Potentiometry; Flow system; Fluoride-selective electrode; Horseradish peroxidase; Milk 208(1988)173

Tyrosinase

Flow system; Fluorimetry; Tyrosine; Controlled-pore glass 224(1989)133

Tyrosine

Flow system; Fluorimetry; Tyrosinase; Controlled-pore glass 224(1989)133

Potentiometry; Amino acids; Phenylalanine; Membrane electrodes; Enzyme reaction; Decarboxylase 239(1990)23

U

Ultracentrifuge

Spectrophotometry; Nitric acid; Transport behaviour; Water; Tributyl phosphate/n-dodecane mixtures 201(1987)135

Ultrafiltration

Fulvic acids; Humic substances; Iron; Copper; Metal-humate interactions 232(1990)171

Liquid chrom.; Fulvic acids; Atrazine; Laurentian, Binding, Hydrolysis 232(1990)181

Ultramicroelectrodes

Voltammetry; Cathodic stripping; Fast scan, Mercury hemispherical electrode, Silver disk electrode, Copper amalgam film electrode 239(1990)35

Ultrasonic irradiation

Flow system; Solid samples; Sample introduction; Iron; Plant materials; Direct introduction, Leaching 242(1991)283

Ultrasonic leaching

Flow system; Spectrophotometry; Boron; Soil 226(1989)221

Ultraviolet absorption spectra

Spectrophotometry; Chloramines; Chlorine; In carbon tetrachloride 209(1988)321

Umbelliferyl sugars

Fluorimetry; Lectin; Quenching 220(1989)225

Uncertainty factor

Quantitative analysis 223(1989)277

Undecenoic acid

Liquid chrom.; Spectrophotometry; Dermatological preparation; Tolnaftate 229(1990)255

Unstable reagents

Flow system; Spectrophotometry; Amperometry; Review 216 (1989)289

Unsteady motion

Flow system; Mathematical model 201(1987)109

Uracil derivatives

Voltammetry; D.c. polarography; Diffl. pulse polarography; Cathodic stripping 211(1988)155

H.p.l.c.; Flow system; Voltammetry; Blood; Urine; Differential pulse, Cathodic stripping 211(1988)175

Uranine

Chemiluminescence; Ion exchange; Chlorine; Waters; Tap, Amberlite anion-exchange resin, Chloramines, Immobilized, Xanthene dye 231(1990)7

Uranium

Spectrophotometry; Flow system; Ion exchange; Geological samples; Preconcentration 214(1988)279

Fluorimetry; Silica; Time-resolved laser 219(1989)181

Ion exchange; Activ. analysis; Rare earth elements 219(1989) 313

Voltammetry; Natural waters; Synergic adsorption 221(1989) 279

Spectrophotometry; Bromopyridylazodiethylaminophenol; Nuclear reprocessing 228(1990)279

Isotope dilut. analysis; Mass spectrometry; Geological sample 228(1990)333

Flow system; Ore leachate 230(1990)217

Flow system; Organized media; Micellar media; Insoluble systems; Thorium; Rare earth elements; 1-(2-Pyridylazo)-2-naphthol, Arsenazo III 234(1990)239

Fluorimetry; Waters; Geological samples; Time-resolved laser-induced, Complexing media, Mineral phase 238(1990)291

Spectrophotometry; Waters; Ion exchange, Arsenazo III 239 (1990)321

Mass spectrometry; Plasmas; Isotope dilution; Sea water; Waters; Marine sediment pore waters 245(1991)83

Uranium nitride

Gas chromatography; Nitrogen; Nuclear fuels; Plutonium nitride; Oxidation, Glove-box 239(1990)107

Ure

Flow system; Potentiometry; Enzyme-modified field effect transistor 202(1987)131

Flow system; Potentiometry; Blood; Ammonium electrode, Immobilized urease 209(1988)239

Conductometry; Enzyme-catalyzed reactions; Serum 211 (1988)205

Spectrophotometry; Flow system; Body fluids; Urease reactor 218(1989)151

Potentiometry; Biosensor; Creatinine; Enzyme field-effect transistor, Ion-selective electrode 221(1989)157

Flow system; Spectrophotometry; Ammonia 221(1989)173

Fluorimetry; Ammonia; Biosensor; Fibre-optic 227(1989)387

Kinetic analysis; Spectrophotometry; Biacetyl; Serum 230 (1990)145

Conductometry; Biosensor; Enzyme reactor; Asparaginase; Creatinine; Miniature, Multi-analyte, Electrode double layer capacitance 231(1990)33

Potentiometry; Enzyme electrodes; Metal-metal oxide, Tungsten 237(1990)399

Spectrophotometry; Flow system; Enzyme reactor; Serum; Gas diffusion, Urease 237(1990)503

Flow system; Biosensor; Field effect transistor; Glucose; Penicillin; Cephalosporin C; Process analysis 238(1990)201

Potentiometry; Enzyme electrodes; Tungsten electrode; Immobilized, Urease 239(1990)269

Potentiometry; Ammonia membrane electrode; Biosensor; Enzyme electrodes; Serum; Urease electrode; Activated poly(vinyl alcohol), Immobilized 249(1991)387

Urea cycle disorder

Mass spectrometry; Carbamoylamino acids; Urine; Fast atom bombardment, Tandem, *tert*-Butyldimethylsilyl derivatives 241(1990)273

Urease

Ion-sensitive field effect transistor; Micro-enzyme sensor; Covalent bonding 231(1990)305

Urease electrode

Potentiometry; Ammonia membrane electrode; Biosensor; Enzyme electrodes; Serum; Urea; Activated poly(vinyl alcohol), Immobilized 249(1991)387

Urease reactor

Spectrophotometry; Flow system; Body fluids; Urea 218 (1989)151

Urease sensor

Flow system; Potentiometry; Chemical sensor testing; On-line analysis 204(1988)7

Uric acid

Potentiometry; Field-effect transistor; Hypoxanthine sensor; Amorphous silicon 215(1988)301

Coulometry; Uricase; Urine 225(1989)425

Coulometry; Flow system; Urine 230(1990)195

Amperometry; Enzyme electrodes; Lactate; Pyruvate; Cholesterol; Oxidase-peroxidase bilayer-modified, Hydrogen peroxide 242(1991)85

Uricase

Coulometry; Uric acid; Urine 225(1989)425

Urine

Potentiometry; Bismuth; Copper; Mercury; Constant-current stripping, Gold fibre electrode 202(1987)117

Flow system; Pharmaceuticals; Serum; Sulphonamides 204 (1988)271

Flow system; Fluorimetry; Amino acids; Bioluminescence; Enzyme reactor; Serum; Branched-chain 205(1988)229

Chemiluminescence; Immunoassay; H.p.l.c.; Oxazepam 205 (1988)249

Potentiometry; Flow system; Cadmium; Lead; Nafion-modified carbon fibre electrodes; Zinc; Computerized flow, Stripping 207(1988)17

Potentiometry; Flow system; Arsenic; Seawater; Constant-current stripping 207(1988)37

Electrotherm. atomization; At. abs. spectrometry; Extraction; Gold; Silver; Thallium; Flame, Iodide complexes 207(1988)283

Kinetic analysis; Spectrophotometry; Competitive binding; Riboflavin; Homogeneous enzyme-linked 208(1988)31

Fluorimetry; Spectrophotometry; Ammonium; Gas-diffusion membrane, pH indicator 208(1988)81

H.p.l.c.; Flow system; Voltammetry; Blood; Uracil derivatives; Differential pulse, Cathodic stripping 211(1988)175

H.p.l.c.; Ethylenethiourea; Filters; Occupational hygiene 212 (1988)297

At. abs. spectrometry; Electrotherm. atomization; Beryllium; Matrix modifier 217(1989)271

Voltammetry; Kinetic analysis; Metalloporphyrin modified glassy carbon electrodes 217(1989)343

H.p.l.c.; Catecholamines; On-line purification 218(1989)119

Potentiometry; Kinetic analysis; Pharmaceuticals; Phytic acid; Crystalline growth of calcium oxalate 219(1989)89

Mass spectrometry; Toluene metabolite; Silicone membrane source 224(1989)119

Fluorimetry; Blood; Cyanide; Taurine, Naphthalenedialdehyde 225(1989)351

Coulometry; Uric acid; Uricase 225(1989)425

Liquid chrom.; Fluorimetry; Acetylcarbethoxycysteine 226 (1989)109

Fluorimetry; Immunoassay; Amphetamine; Methamphetamine; Polarization 227(1989)287

Flow system; Fluorimetry; Epinephrine; Norepinephrine; Trihydroxyindole 229(1990)27

Potentiometry; Calcium carbonate; Crystal growth; Phosphate 229(1990)249

Coulometry; Flow system; Uric acid 230(1990)195

Gas chromatography; Extraction; Pharmaceuticals; Drugs of abuse, Column lifetime and performance, Fused-silica capillary columns 236(1990)115

Gas chromatography; Liquid chrom.; Organic acids; Biological fluids; Serum; Extraction 236(1990)121

Liquid chrom.; Acetaminophen; Electrochemical detection, Dual electrodes, Pharmacokinetics 236(1990)293

Gas chromatography; Mass spectrometry; Chloramphenicol; Eggs; Biological materials; Residues, Radioimmunoassay, Enzyme immunoassay 237(1990)61

Diffl. pulse voltammetry; Anod. stripping voltammetry; Lead; Fumed silica 237(1990)177

Actinides; Alpha spectrometry; Preconcentration; Octyl(phen-yl)-N,N-diisobutylcarbamoylmethylphosphine oxide extractant 238(1990)263

Flow system; Liquid chrom.; Extraction; Caffeine; Zidovudine; Beverages; Food 239(1990)171

Mass spectrometry; Sample preparation; Protein metabolism; Protein turnover; Cation-exchange resin, Urinary ammonium, Isotope ratio, Continuous flow, Conway microdiffusion 241 (1990)255

Mass spectrometry; Carbamoylamino acids; Urea cycle disorder; Fast atom bombardment, Tandem, *tert*-Butyldimethylsilyl derivatives 241(1990)273

Kinetic analysis; Flow system; Oxalate; Enzyme reactor; Double stopped flow 242(1991)179

Flow system; Voltammetry; Ion-sensitive field-effect transistors; Potassium; Serum; Wall-jet cell, Silicone-rubber membrane 245(1991)159

Gas chromatography; At. abs. spectrometry; Hydride generation; Tributyltin oxide; Wood preservatives 246(1991)351

Gas chromatography; Mass spectrometry; Dimethyladenosine 247(1991)201

Gas chromatography; Mass spectrometry; Methylmalonic acid; Ion-trap detector 247(1991)243

Flow system; Emission spectrom.; Plasmas; Preconcentration; Sea water; Trace metals; Waters; Inductively coupled, Chelating resin 248(1991)241



Valine

Flow system; Fluorimetry; Enzyme reactor; Isoleucine; Leucine; Immobilized leucine dehydrogenase 218(1989)161

Valinomycin

Ion exchange; Potentiometry; Liquid chrom.; Alkali metal ion; Potassium ion; Replacement ion chromatography 222(1989)95

I.r. spectrometry; Langmuir-Blodgett films; Phospholipid; Fourier transform; ISFET; Potassium; Structural characterization, Micro-ATR 240(1990)29

Vanadium

Spectrophotometry; Minerals; Steels; With methoxypromazine maleate 209(1988)293

At. abs. spectrometry; Extraction; Indirect 218(1989)341

Cyclic voltammetry; Diffl. pulse polarography; Marine organisms 219(1989)281

Liquid chrom.; Air; Waters; Reversed-phase, 2-(8-Quino-lylazo)-5-N,N-diethylaminophenol 233(1990)121

Cyclic voltammetry; Diffl. pulse polarography; Diffl. pulse voltammetry; Speciation; EDTA complexes 236(1990)315

At. abs. spectrometry; Waters; Electrothermal atomization, Hot injection, Graphite tube preconcentration, Magnesium nitrate matrix modifier 236(1990)475

Kinetic analysis; Spectrophotometry; Micellar catalysis, Chemical catalysis, p-Phenetidine, Catechol, Bromate oxidative coupling, Cetylpyridinium chloride surfactant 237(1990)207

Voltammetry; Ores; Linear-sweep, 5-Br-PADAP complex 238(1990)375

Emission spectrometry; At. abs. spectrometry; Electrotherm. atomization; Plasma; Titanium; Steel; Inductively coupled, Tungsten boat atomizer 239(1990)139

Kinetic analysis; Spectrophotometry; 1,4-Dihydroxyphthalimide dioxime oxidation, Bromate, Vanadium catalysis 244 (1991)89

Flow system; Radiometric detection; Radiorelease; Radiosilver release 246(1991)329

At. abs. spectrometry; Extraction; Geological materials; Steels; Graphite furnace, Meteorites 246(1991)359

Spectrophotometry; Extraction; Adogen-464, Adipate complex 248(1991)507

Vanadium complex

Monocarbon molecules; Non-aqueous medium 225(1989)217

Vapour monitors

Ion mobility spectrometry; Digital filters; Bis-2-chloroethyl sulphide; Narrow-bandpass 232(1990)261

Vapour-pressure osmometry

Fulvic acids; Molecular weight, Aggregation 232(1990)123

Variable-volume injector

Flow system; Sample introduction; Calibration 234(1990)253

Vegetable oils

Spectrophotometry; Microemulsions; Aniline; Diazotization, Coupling, Phase diagrams, Corn oil 235(1990)317

Vegetables

Spectrophotometry; Gel perm. chromatography; Copper/flavonoid complexes 203(1987)23

Potentiometry; Fluorine; Plants; Open-flame ashing, Micro-diffusion 212(1988)133

At. abs. spectrometry; Hydride generation; Lead; Fish; Waters; Wine; Foods; Potassium dichromate 237(1990)181

Vegetation

Kinetic analysis; Spectrophotometry; Nuclear fuels; Technetium 207(1988)233

Verapamil

Potentiometry; Ion-selective electrodes; Membrane electrodes; Ion pair, Reineckate, Dibutyl phthalate plasticizer, Poly(vinyl chloride) 235(1990)461

Vibrational spectra

Ab initio prediction; Quadratic force fields, Database 240 (1990)159

Vibrational structure

I.r. spectrometry; Superconductors; Reflectance, Ceramic 240(1991)273

Viologens

Cyclic voltammetry; Amperometry; Enzyme electrodes; Glucose; Electron-transfer mediators, Carbon paste electrode 248(1991)155

Viscometry

Lysozyme activity 219(1989)123

Liquid chrom.; Polyamino acids; Continuous differential, Polybenzyl glutamate, Poly-L-tryptophan 249(1991)209

Viscosity monitoring

Piezoelectric sensing; Endotoxin; Gelation of Limulus amebocyte lysate 215(1988)91

Viscous liquids

Quartz crystal resonator; Alcohols; Sugars; Piezoelectric sensor 231(1990)317

Vitamin B6

Liquid chrom.; Amperometry; Carbon fibre electrode 230 (1990)207

Vitamin B₁₂

Chemiluminescence; Flow system; Luminol, Hydrogen peroxide, Cobalt 243(1991)127

Voltammetry; Nitrite; Waters 248(1991)109

Vitamin D

Flow system; Amperometry; Pharmaceutical preparation 225 (1989)247

Vitamin pills

Fluorimetry; Kinetic analysis; Ascorbic acid; Fruit juice; o-Phenylenediamine 243(1991)89

Vitamin tablets

Kinetic analysis; Spectrophotometry; Biotin; Competitive binding; Homogeneous enzyme-linked 208(1988)43

Vitamins

Liquid chrom.; Flavins; Two-electrode amperometric detection 239(1990)29

Liquid chrom.; Biotin; Biocytin; Competitive binding; Fluorimetric detection 246(1991)103

Spectrophotometry; Derivative spectroscopy; Pharmaceuticals; Third-derivative 248(1991)583

Volatile amine

Polarography; Boiler water; Copper; Dimethyl aminopropanol 229(1990)149

Volatile metabolites

Gas chromatography; Fermentation broths 213(1988)11

Volatile organic carbon

Conductometry; Total organic carbon; Waters; Denuder/electrolytic conductivity flow cell 220(1989)1

Volatile organic compounds

Atmosphere; Polichrom A; Preconcentration 226(1989)213

Gas chromatography; Mass spectrometry; Pattern recognition; Expert system; Low-resolution mass spectra; MAXMASS 246 (1991)391

Volatilization

At. abs. spectrometry; Gallium trichloride; Trace elements; Electrothermal atomization 226(1989)193

Volumetric fraction

Flow system; Dispersion 226(1989)129



Wall-jet detector

Conductometry; Air; Sulphur dioxide; Preconcentration in water 203(1987)1

Liquid chrom.; Voltammetry; Flow system; Rapid scan, Convection/diffusion-controlled, Diffusion-controlled 234 (1989)75

Warfarin

Phosphorimetry; Blood serum; Rodenticide; Room-temperature phosphorescence 222(1989)177

Fluorimetry; Carbaryl; Fuberidazol; Pesticide mixture; Variable-angle scanning 228(1990)293

Water hardness

Potentiometry; Ion-selective electrodes; Neutral carrier 248 (1991)177

Water pollution

Quantitative structure/property relations; Structure descriptor, P-vector 235(1990)93

Water traces

Flow system; Spectrophotometry; Organic solvents 220(1989) 55

Waters

Flow system; Potentiometry; Mercury; Fibre electrodes, Computerized, Constant-current stripping 201(1987)1

Voltammetry; Speciation; Trace metal, Adsorptive stripping, Chelates of solochrome violet RS 201(1987)43

H.p.l.c.; Fluorimetry; Flavins; Solid-phase ion-pair extraction 201(1987)127

Spectrophotometry; Nitric acid; Transport behaviour; Ultracentrifuge; Tributyl phosphate/n-dodecane mixtures 201 (1987)135

Potentiometry; Antimony speciation; Flow constant-current stripping, Gold fibre electrodes 202(1987)123

Fluorimetry; Lubricating oils; Zinc 202(1987)207

Electrotherm. atomization; At. abs. spectrometry; Copper; Coprecipitation preconcentration; Manganese 202(1987)223

H.p.l.c.; Spectrophotometry; Calcium; Magnesium; Post-column reaction 204(1988)87

Diffl. pulse polarography; Chlorite 204(1988)169

Anod. stripping voltammetry; Cadmium; Cobalt; Copper; Lead; Nickel; Differential-pulse 204(1988)179

Spectrophotometry; Emission spectrometry; Plasmas; Silica speciation; High-purity, Inductively coupled 204(1988)339

Spectrophotometry; Kinetic analysis; Bromide 206(1988)273

Ion exchange; Conductometry; Spectrophotometry; H.p.l.c.; Anions; Tiron eluent 206(1988)281

Spectrophotometry; Organophosphorus pesticides; Oxygen-flask combustion 206(1988)299

Fluorimetry; Anionic surfactants; Extraction; Ion-pair 206 (1988)351

Voltammetry; Organic micropollutants; Phospholipid-coated mercury electrodes 207(1988)47

Spectrophotometry; Extraction; Trace metals; 1,3-Dimethyl-4-acetyl-2-pyrazolin-5-one 207(1988)137

Flow system; Kinetic analysis; Cobalt; In-line preconcentration 207(1988)331

Flow system; Spectrophotometry; Aluminium 207(1988)337

Potentiometry; Computerized instrument; Fluoride selective electrode; Battery-powered, Field-based, Metal-oxide semi-conductor 208(1988)195

Flow system; Spectrophotometry; Chlorine; Residual 208 (1988)317

Gas chromatography; Mass spectrometry; Extraction; Pendimethaline 208(1988)331

Kinetic analysis; Polarography; Biological samples; Paraquat; Photoreduction; Soils 209(1988)79

Anod. stripping voltammetry; Ion exchange; Speciation; Toxicity; Physicochemical, Metal to *Chlorella pyrenoidosa* 209 (1988)97

Spectrophotometry; Phosphorus; Vanadomolybdophosphate 211(1988)119

Spectrophotometry; Humic substances; Iron 211(1988)293

Titrimetry; Voltammetry; Complexation in natural waters; Computer simulation of errors; Stripping 212(1988)1

Voltammetry; Nitrite; Seawater; Cathodic stripping 212(1988) 31

H.p.l.c.; Flow system; Extraction; Organophosphorus pesticides 212(1988)123

Phosphorimetry; Aluminium; Dialysis fluids; Room-temperature, Ferron chelate in micellar media 212(1988)235

Spectrophotometry; Flow system; Calcium; Magnesium; Simultaneous 212(1988)291

Voltammetry; Chloroform; Cresol; Enzyme electrode 213 (1988)113

Spectrophotometry; Flow system; Capillary digestor; Phosphorus 214(1988)229

Flow system; Spectrophotometry; Extraction; Potassium; Sodium; Silica column 214(1988)289

Flow system; At. abs. spectrometry; Lead preconcentration; Flame 214(1988)329

Potentiometry; Flow system; Chlorine 214(1988)349

Cyclic voltammetry; Flow system; Phenolic compounds; Derivative 214(1988)375

Spectrophotometry; Flow system; Ammonia; Field monitor 214(1988)401

Anod. stripping voltammetry; Diffl. pulse polarography; Flow system; Trace metals; Differential-pulse 215(1988)13

Anod. stripping voltammetry; Cadmium; Copper; Internal standard; Lead; High-accuracy, Differential-pulse, Indium 215(1988)21

Polarography; Chlorine; Phenylthiourea solutions; Linear-sweep, Active 215(1988)37

Piezoelectric sensing; Iodide 215(1988)79

At. abs. spectrometry; Flow system; Cationic surfactants; Extraction; Indirect, With tetrathiocyanatocobaltate 215(1988) 233

Voltammetry; Halides; Spinal fluid; Cathodic stripping 215 (1988)307

Spectrophotometry; Ozone; Indirect 215(1988)353

Spectrophotometry; Optical membrane; Trinitrotoluene; Clear, Amine-containing poly(vinyl chloride) 217(1989)217

Polarography; Ion exchange; Molybdenum; Seawater; Tungsten; Catalytic current, Preconcentration 218(1989)25

Potentiometry; Titrimetry; Calcium; Magnesium 218(1989)47

Flow system; Emission spectrometry; Boron; Plasmas; Inductively coupled 218(1989)69

Mass spectrometry; Rare earth elements; Isotope-dilution 218(1989)265

Ion exchange; At. abs. spectrometry; Copper speciation 219 (1989)1

I.r. spectrometry; Chlorobenzenesulphonic acid 219(1989)165

Spectrophotometry; Flow system; Iron; Wine; Integrated retention 219(1989)231

Flow system; Spectrophotometry; Fluoride 219(1989)329

Ion exchange; Mercury; Preconcentration 219(1989)339

Flow system; Spectrophotometry; Iron; Sandwich techniques 219(1989)345

Conductometry; Total organic carbon; Volatile organic carbon; Denuder/electrolytic conductivity flow cell 220(1989)1

H.p.l.c.; Titrimetry; Gravimetry; Anions; Orthogonal regression 220(1989)207

Voltammetry; Autocatalytic effect; Nitrate; Second-sweep cyclic voltammetry, Mercury drop electrode 221(1989)131

Amperometry; Chlorite; Continuous determination 226(1989) 121

Gas chromatography; Mass spectrometry; Atrazine; Herbicides; Ion-trap 228(1990)69

Chemiluminescence; Hypochlorite; Luminol; Stopped-flow 228(1990)123

Spectrophotometry; Flow system; Sulphate 228(1990)287

Liquid chrom.; Bromopyridylazodiethylaminophenol; Chelation; Mineral sample; Transition metal 230(1990)23

Polarography; Nitrite; Sausage; Single-sweep 230(1990)105

Chemiluminescence; Ion exchange; Chlorine; Uranine; Tap, Amberlite anion-exchange resin, Chloramines, Immobilized, Xanthene dye 231(1990)7

Flow system; Conductometry; Organic pollutants; Titanium dioxide; Film reactor; Immobilized 231(1990)13

Spectrophotometry; Flow system; pH; Lake, Dye reagents 231(1990)21

Flow system; Ion-sensitive field effect transistor; pH; Ammonium; Flow-through 231(1990)53

Voltammetry; Cathodic stripping; Selenium; Sea water; Copper 231(1990)221

Chemiluminescence; Formic acid; Sea water; Enzyme bioluminescence reaction 231(1990)299

Humic substances; Forests; Soils; Fractionation: XAD-8 hydrophobic resin 232(1990)3

N.m.r. spectrometry; Mass spectrometry; Humic substances; Soils; Fulvic acids; Isotope ratios; Amino acid analysis 232 (1990)19

Natural organic matter; Transmission electron microscopy 232(1990)107

Voltammetry; Sea water; Copper; Complexation, Organic ligands, Speciation, Detection window 232(1990)149

Liquid chrom.; Sea water; Copper; Phytoplankton bloom; Plankton ecosystem; Metal-organic interactions 232(1990)161

Mass spectrometry; Sea water; Barium; Plasma; Isotope dilution; Inductively coupled 232(1990)323

At. abs. spectrometry; Sea water; Manganese; Preconcentration; Polyazamacrocycles; Graphite furnace, Immobilized, Poly(vinylbenzyltetraaza-1,4,8,11-cyclotetradecane) 232(1990) 331

Sea water; pH; Dye fibre-optic pH sensor; Phenol red, Amberlite resin 232(1990)337

Spectrophotometry; Sea water; Nitrite; Azo dyes; Formation kinetics, N-1-Naphthylethylenediamine, Sulphanilamide 232(199)345

Liquid chrom.; Vanadium; Air; Reversed-phase, 2-(8-Quino-lylazo)-5-N,N-diethylaminophenol 233(1990)121

Conductometry; Total organic carbon; Photocatalytic oxidation; Carbon dioxide 233(1990)171

Liquid chrom.; Fluorimetry; Glyphosate; Aminomethylphosphonic acid; Pesticides; Post-column fluorogenic labelling 233 (1990)311

Flow system; Enzyme reactor; Pesticides; Immobilized acetylcholinesterase, Automated enzyme inhibition, Magnetic device 234(1990)113

Flow system; Liquid chrom.; Spectrophotometry; Mass spectrometry; Extraction; Organic pollutants; Pesticides; Chlorinated phenoxy acids; On-line continous-flow, Organophosphorus 234(1990)119

Liquid chrom.; Fish; Organic pollutants; Cytotoxicity; In vitro 234(1990)193

Flow system; Spectrophotometry; Boron; Preconcentration; Azomethine-H complex 234(1990)199

Flow system; Plasma; Matrix matching; Salinity; Inductively coupled, Sodium 234(1990)207

Liquid chrom.; Fluorimetry; Polycyclic aromatic hydrocarbons; Air; Reversed-phase 234(1990)269

Spectrophotometry; Kinetic analysis; Nitrite; Food; Sausage, Potassium bromate, Thionine 234(1990)403

Flow system; Spectrophotometry; Phosphorus; Photodiode detector, Simplex reagent optimization, Silicate interference, Molybdophosphate 234(1990)409

Gas chromatography; Methylmercury; Sea water; Plasma; Microwave-induced plasma detection, Headspace, Dithiocarbamate resin preconcentration, Speciation 234(1990)417

Flow system; Polarography; Nitrate; Uranyl ion 234(1990)475

Liquid chrom.; Amperometry; Spectrophotometry; Copper; Iron; Biological materials; Extraction; Cupferron derivatization 235(1990)279

Voltammetry; Copper; Speciation; Computer simulation; Conditional stability constant, Cathodic stripping, Sea water, Estuarine water, Freshwater, Complexation 235(1990)287

Flow system; Spectrophotometry; Kinetic analysis; Manganese; Stopped-flow method, Gradient calibration 235(1990) 323

Liquid chrom.; At. abs. spectrometry; Mercury; Speciation; Preconcentration; Waste waters, Cold vapour, Microcolumn 235(1990)399

Liquid chrom.; Solid-phase extraction; Toxicity; Industrial wastewater effluents, Toxicity reduction, Fractionation 236 (1990)131

Gas chromatography; Mass spectrometry; Extraction; Herbicides; Solid-phase extraction, Well water 236(1990)141

Gas chromatography; Liquid chrom.; Extraction; Solid-phase extraction, Membrane, Filtration, Pesticides, Polychlorinated biphenyls, Phthalates 236(1990)157

Flow system; Amperometry; Microwave digestion; Phosphorus 236(1990)345

Activ. analysis; Chromium; Fulvic acids; Gamma counting 236(1990)357

Liquid chrom.; Thiols; Dithiobis(nitropyridine) derivatization, Phthalaldehyde derivatization, Tributylphosphine, Sep-Pak cartridge extraction 236(1990)363

At. abs. spectrometry; Mercury; Sample digestion, Cold vapour 236(1990)377

At. abs. spectrometry; Environmental samples; Lead; Cadmium; Copper; Zinc; Evaporation; Preconcentration; Snow, Ice, Contamination 236(1990)391

At. abs. spectrometry; Vanadium; Electrothermal atomization, Hot injection, Graphite tube preconcentration, Magnesium nitrate matrix modifier 236(1990)475

Activ. analysis; Gold; Gamma spectrometry; Extraction; Tributylphosphate, Prospecting, Solid extract 236(1990)483

Gas chromatography; Review; Trace organic compounds; Preconcentration; Liquid-liquid extraction, Solid sorbents, Headspace techniques, Gas extraction, Volatile compounds 237(1990)1

Liquid chrom.; Amperometry; Chloramines; Glassy carbon electrode 237(1989)149

At. abs. spectrometry; Hydride generation; Lead; Fish; Wine; Vegetable; Foods; Potassium dichromate 237(1990)181

Gas chromatography; Carboxylic acids; Nitrogen-selective detection, 2-Nitrophenylhydrazides 237(1990)215

Fluorimetry; Nitro compounds; Explosives; Trinitrotoluene; Dinitrotoluene; Hexahydrotrinitrotriazine; In situ optical detection, Fluorescence quenching 237(1990)265

Chromatography; Ion exchange; Chemiluminescence; Trace metals; Multi-element detection; Co-EDTA post-column reagent, Luminol-peroxide, Zinc, Aluminium 237(1990)291

Ion exchange; Chromatography; Inorganic anions; Conductivity; Cu(II)-containing poly(3-methylthiophene) electrode, Single column 237(1990)317

Potentiometry; Ion-selective electrodes; Fluoride; Complementary metal oxide semiconductor device, Automated monitor, Battery operated 237(1990)345

Voltammetry; Trace elements; Sea water; Lake water; In situ measurements, Copper, Lead, Cadmium, Zinc 237(1990)429

Spectrophotometry; Flow system; Aluminium; Pyrocatechol violet, Field monitor 238(1990)177

Flow system; Phosphorus; Nitrogen; Process analysis; Wastewater treatment plant, Biological removal 238(1990)191

Laser Doppler anemometry; Process analysis; Mixers; Jet mixing; Petroleum pipelines; Crude oil 238(1990)251

Ion exchange; At. abs. spectrometry; Chromium; Preconcentration 238(1990)273

At. abs. spectrometry; Preconcentration; Nickel; Cellulose ion exchangers, Cellex CM, Graphite furnace 238(1990)285

Fluorimetry; Uranium; Geological samples; Time-resolved laser-induced, Complexing media, Mineral phase 238(1990)291

Voltammetry; Cyclic voltammetry; Adsorptive stripping; Azinphos-methyl; Guthion 238(1990)383

Amperometry; Enzyme electrode; Phosphate; Hydrogen peroxide, Eutrophication 239(1990)1

Fluorimetry; Sea water; Polycyclic aromatic hydrocarbons; Pulsed-laser, fibre-optic-based system, Decay times, Time-resolved 239(1990)45

Spectrophotometry; Flow system; Silicate; Rhodamine B 239 (1990)151

Flow system; Chemiluminescence; Surfactants; Sea water; Nonidet AT 85, Rhodamine B sensitizer 239(1990)189

Liquid chrom.; Nitrite; Nitrate; Sea water; Venice lagoon, Ion interaction reversed-phase 239(1990)203

D.c. polarography; Diffl. pulse polarography; Copper; Aminomethoxypropane; Dimethylaminoethanol; Boiler water; Amine complexes, Reduction 239(1990)291

Spectrophotometry; Uranium; Ion exchange, Arsenazo III 239(1990)321

Diffl. pulse voltammetry; Iron; Aluminium; Carbon paste electrodes; Preconcentration; Nafion modifier, 1,10-Phenanthroline modified 241(1990)137

At. abs. spectrometry; Nickel; Preconcentration; Extraction; Graphite furnace, Dithiocarbamate complex, Xylene 242 (1991)209

Spectrophotometry; Nitrite; 3-Nitroaniline 242(1991)225

Fluorimetry; Aluminium; Eriochrome Red B, Hexamethylenetetramine 243(1991)121

Gas chromatography; Mass spectrometry; Pesticides; 2,2-Dimethoxypropane 244(1991)9

Spectrophotometry; Phosphorus; Long capillary cell detector 244(1991)63

Flow system; Spectrophotometry; Sulphate; In-line preconcentration, Anion-exchange resin, Methylthymol blue-barium complexation 244(1990)109

Cyclic voltammetry; pH sensor; Coated-wire electrode; Chemically modified electrode, Poly(4,4'-diaminobiphenyl) 244 (1991)165

Diffl. pulse voltammetry; Molybdenum; Plant materials; Nitrate, 8-Hydroxyquinoline 244(1991)193

At. abs. spectrometry; Sea water; Extraction; Separating funnels; Fluorinated ethylene-propylene, Dithiocarbamate-Freon-TF-extraction 245(1991)21

Mass spectrometry; Plasmas; Isotope dilution; Sea water; Uranium; Marine sediment pore waters 245(1991)83

Spectrophotometry; Flow system; Chloride; Bromide; Mercury(II) and silver thiocyanate minicolumns 245(1991)115

Flow system; Conductometry; Gas diffusion; Nitrogen; Ammonia, Nitrate, Nitrite 245(1991)183

Cyclic voltammetry; Chlorine; Microelectrodes; Platinum microdisc, Gold microdisc and microband 246(1991)267

At. abs. spectrometry; Antimony; Extraction; Lactic acid complex, Malachite Green ion pair, Graphite furnace 247(1991)7

At. abs. spectrometry; Arsenic; Extraction; Steels; Graphite furnace, Arsenomolybdic acid 247(1991)13

Spectrophotometry; Iron; Sea water; Ferrozine, Sep-Pak cartridge 247(1991)125

Voltammetry; Nitrite; Vitamin B₁₂ 248(1991)109

Flow system; Emission spectrom.; Plasmas; Preconcentration; Sea water; Trace metals; Urine; Inductively coupled, Chelating resin 248(1991)241

Potentiometry; Chloride; Ion-selective electrodes; Nitrate; Remote analysis station, Coated-wire 248(1991)285

Amperometry; Biosensors; Chloroplast membranes; Phytotoxicity; Thylakoid membranes; Herbicides, Heavy metals, Photoelectrochemical cell 249(1991)55

Voltammetry; Cadmium; Iridium microelectrode; Lead; Trace metals; Mercury-plated iridium disc, Square-wave stripping voltammetry 249(1991)419

Diffl. pulse voltammetry; Copper; Gold; Reactor moderator water; Silver; Mercury 249(1991)447

Chemiluminescence; Flow system; Manganese; Sea water; δ -Hydroxyquinoline concentration, 7,7,8,8-Tetracyanoquinodimethane 249(1991)469

Flow system; Spectrophotometry; Turbidimetry; Plant materials; Sulphur; Two-line manifold 249(1991)479

Spectrophotometry; Calcium; Magnesium; PAR complexes 249(1991)513

Activ. analysis; At. abs. spectrometry; Cadmium; Cobalt; Copper; Mercury; Preconcentration; Trace metals; Zinc; Poly(acrylamidoxime) resin 249(1991)533

Gas chromatography; Helium-3; Sea water; Sulphur hexafluoride; Tracers; Concentration mapping, Continuous underway analysis, Gas exchange 249(1991)555

Voltammetry; Sea water; Trace elements; Adsorptive deposition, Cathodic stripping 250(1991)265

Water-steam cycles

Flow system; Spectrophotometry; Amperometry; Potentiometry; Power plants; Process analysis; pH; Ion-selective electrodes; Control parameters 234(1990)167

Wave-guide capillary cell

Flow system; Spectrophotometry; Copper 212(1988)245

Wheat

Polarography; H.p.l.c.; Grapes; Sulphur residues; Sampled d.c., Differential pulse 207(1988)305

Whole blood

Amperometry; Biosensor; Salicylate 224(1989)39

Kinetic analysis; Spectrophotometry; Haemoglobin; Methaemoglobin 224(1989)351

Amperometry; Alkaline phosphatase; Bovine liver; Test strip; Theophylline 229(1990)57

Whole saliva

Chemiluminescence; Immunoassay; Progesterone; Microtitre plate 227(1989)119

Wines

Flow system; Chemiluminescence; Sulphur dioxide; Young white 214(1988)429

Anod. stripping voltammetry; Heavy metals; Mercury microelectrodes, Differential-pulse 219(1989)9

Spectrophotometry; Flow system; Iron; Waters; Integrated retention 219(1989)231

Flow system; Biosensor; Fibre-optic; Fruit juice; Glucose 225 (1989)293

Flow system; Carbon dioxide; Sulphur dioxide; Gas-diffusion 225(1989)443

At. abs. spectrometry; Hydride generation; Lead; Fish; Waters; Vegetable; Foods; Potassium dichromate 237(1990)181

Liquid chrom.; Carboxylic acids; Optimization; Derivatization 242(1990)25

Amperometry; Enzyme electrodes; Lactate; Malate; Malate dehydrogenase, NADH oxidase 245(1991)145

Spectrophotometry; Flow system; Enzyme reactor; Malic acid; Stopped-flow, Malate dehydrogenase, Malolactic fermentation 247(1991)61

Wood

Spectrophotometry; Turbidimetry; Lignin; Proteins 235(1990) 299

Titrimetry; Boron preservatives; Collaborative studies; Statistical analysis; Quality control; Boric acid 236(1990)423

Wood preservatives

Gas chromatography; At. abs. spectrometry; Hydride generation; Tributyltin oxide; Urine 246(1991)351



X-ray absorption fine-structure

Computer program; Structure determination; Atomic local structure 210(1988)143

X-ray photoelectron spectroscopy

Mass spectrometry; Immobilization; Phospholipid; Time-of-flight, Secondary-ion 225(1989)369

Raman spectrometry; Auger electron spectroscopy; Tin; Antitarnish film; Ethylenediaminetetra(methylidenephosphonic acid) 238(1990)399

Xanthine

Fluorimetry; Semiconductor laser; Xanthine oxidase; Near-infrared 208(1988)325

Amperometry; Hypoxanthine; Enzyme electrodes; Uric acid, Xanthine oxidase, Carbon paste 242(1991)267

Xanthine oxidase

Fluorimetry; Semiconductor laser; Xanthine; Near-infrared 208(1988)325

Polarography; Biosensor; Fish meat; Hypoxanthine 221(1989) 215

Amperometry; pH; Superoxide dismutase 222(1989)247

Chemiluminescence; Iron chelate; Luminol 227(1989)57

Xylenol orange

Flow system; Spectrophotometry; Aluminium; Zinc; Light emitting diode 230(1990)125

Xylol

I.r. spectrometry; Paint solvents; Fourier transform, Butan-1ol, Butyl acetate, Azeotropic mixtures 242(1991)123

Xylose

Flow system; Amperometry; Enzyme reactor; Xylulose 213 (1988)139

Xylulose

Flow system; Amperometry; Enzyme reactor; Xylose 213 (1988)139

Flow system; Liquid chrom.; Enzyme reactor; Modified electrode; Recirculating flow 225(1989)263

Y

Yeast cell walls

Amperometry; Biosensors; Enzyme reactor; Foods; Sucrose; Invertase, Mutarotation, Phosphate 247(1991)83

Yeast cells

Liquid chrom.; Spectrophotometry; Ergosterol 225(1989)129

Flow system; Fluorimetry; Cell permeabilization; Formate dehydrogenase activity; Intracellular enzyme activity; *Candida boidinii* 248(1991)371

Yeasts

Potentiometry; Voltammetry; Flow system; Fluorimetry; Bioreactors; High-performance, On-line sensors 213(1988)199

Amperometry; Alcohol dehydrogenase; Bioelectrode; Ethanol; NADH 221(1989)43

Fluorimetry; Microscopy; Mitochondrial membrane 227 (1989)227

Yoghurt

Process analysis; Automation; Robots; Biological oxygen demand; Acidity 238(1990)71

Ytterbium

Diffl. pulse voltammetry; Europium; Rare earths; Mercury thin-film electrodes; Nafion coating; Ion-exchange preconcentration 244(1991)29

Yttrium

Emission spectrometry; Barium; Copper; Superconductor; Inductively coupled plasma 221(1989)167

Fluorimetry; Diphacinone; Europium; Rare earth oxides; Fluorescence enhancement, Ammonia 231(1990)295

Z

Zeolite

I.r. spectrometry; Diffuse reflectance; Glass-covered samples; Hydrogen spillover; Fourier transform, Water formation 240 (1991)363

Zeolite-containing carbon-paste electrodes

Voltammetry; Ion exchange; Mercury; Silver; Preconcentration 207(1988)95

Zidovudine

Fluorimetry 217(1989)363

Flow system; Liquid chrom.; Extraction; Caffeine; Beverages; Food; Urine 239(1990)171

Zinc

Anod. stripping voltammetry; Copper; Intermetallic compounds 202(1987)151

Fluorimetry; Lubricating oils; Waters 202(1987)207

Flow system; At. abs. spectrometry; Plants; Flame 206(1988) 253

Potentiometry; Flow system; Cadmium; Lead; Nafion-modified carbon fibre electrodes; Urine; Computerized flow, Stripping 207(1988)17

Cadmium; Extraction 207(1988)367

Electrotherm. atomization; At. abs. spectrometry; Copper; Sea water; Polymer-supported 1,4,8,11-tetraazacyclotetradecane 209(1988)249

Electrotherm. atomization; At. abs. spectrometry; Bismuth metal; Copper; Extraction; Thiocyanate 209(1988)281

Flow system; At. abs. spectrometry; Biological tissues; Cadmium; Microwave digestion 214(1988)421

Activ. analysis; Thallium; Proton 220(1989)93

(Chlorophenyl)methylaroylpyrazolone; Solvent extraction; Trioctylphosphine oxide 226(1989)187

Fluorimetry; Food; Micelle 227(1989)219

Polarography; Cadmium; Polyacrylic acid; Polymethacrylic acid 229(1990)93

Flow system; Spectrophotometry; Aluminium; Xylenol orange; Light emitting diode 230(1990)125

At. abs. spectrometry; Extraction; Metal ions; Cobalt; Nickel; Cadmium; Phosphine oxides; Liquid-liquid, 1-Phenyl-3-methyl-4-benzoyl-5-pyrazolone 232(1990)293

Chromatography; Spectrophotometry; Copper; Cadmium; Preconcentration; Extraction; Reversed-phase partition, 2-(5-Bromo-2-pyridylazo)-5-dimethylaminophenol stationary phase 232(1990)393

At. abs. spectrometry; Waters; Environmental samples; Lead; Cadmium; Copper; Evaporation; Preconcentration; Snow, Ice, Contamination 236(1990)391

Polarography; Hair; Lead; Copper; UV irradiation, Polarographic adsorptive complex waves 238(1990)367

Flow system; Diode-array detection; Nickel; Pyridylazonaphthol 241(1990)153

At. abs. spectrometry; Emulsification; Manganese; Organic solvents; Triton X-100, Bis-2-ethylhexylphosphoric acid 246 (1991)347

At. abs. spectrometry; Extraction; Nickel; Bis(4-acylpyrazol-5-one) derivative extractants, Liquid-liquid, Polymethylene chain length, Steric effects, Tri-*n*-octylphosphine oxide synergist 249(1991)525

Activ. analysis; At. abs. spectrometry; Cadmium; Cobalt; Copper; Mercury; Preconcentration; Trace metals; Waters; Poly(acrylamidoxime) resin 249(1991)533

Zinc oxide

Extended x-ray absorption fine structure spectrometry; Copper oxide; Weighting factors 233(1990)229

Zirconium

Spectrophotometry; Hafnium; Extraction; Dicyclohexyl-18-crown-6; Crown ether 245(1991)27

Zirconium vanadophosphate

Ion exchange; Geological samples 235(1990)435

Zone melting

Fluorimetry; Carbazole; Anthracene; Anthraquinones; Biphenyl medium, Synchronous 236(1990)505

Zone sampling

Flow system; Solvent extraction 226(1989)255



TECHNIQUE INDEX VOLUMES 201–250





A.c. polarography

Methotrexate; Serum; Phase-selective 233(1990)281

Activation analysis

Method of moments; Multiplet deconvolution; Gamma-ray 203(1987)43

Ion exchange; Serum; Trace metals 211(1988)231

Ion exchange; Rare earth elements; Uranium 219(1989)313

Environmental materials; Trace elements; Instrumental neutron 219(1989)317

Thallium; Zinc metal; Proton 220(1989)93

Lead; Preconcentration; Graphite furnace, Biological matrix 224(1989)139

Chromium; Fulvic acid; Waters; Gamma counting 236(1990) 357

Algorithms; Calibration, Determination 236(1990)417

Gold; Waters; Gamma spectrometry; Extraction; Tributylphosphate, Prospecting, Solid extract 236(1990)483

Mass spectrometry; Emission spectrometry; Rare earth elements; Rocks; Plasmas; Isotope dilution, Inductively coupled 236(1990)487

Rare earth elements; Biological samples; Preconcentration; Substoichiometric precipitation, Calcium oxalate 239(1990)115

Niobium; Titanium; Proton activation 247(1991)133

Geological materials; Gold; Microwave sublimation; Ores; Helium-oxygen plasma 248(1991)579

At. abs. spectrometry; Cadmium; Cobalt; Copper; Mercury; Preconcentration; Trace metals; Waters; Zinc; Poly(acrylamidoxime) resin 249(1991)533

Amperometry

Enzyme electrodes; Glucose 201(1987)281

Enzyme electrodes; Lactate; Mathematical treatment 201 (1987)305

Coulometry; Titrimetry; Spectrophotometry; Cell design 202 (1987)75

Flow system; Carbohydrate; Enzyme reactor; Starch; Immobilized glucoamylase 204(1988)43

H.p.l.c.; Anion monitoring; Differential double-layer capacitance; Electrosorptive, Mercury electrodes 204(1988)95

H.p.l.c.; Tributyltin oxide; Polarographic studies 204(1988)151

Conductometry; Carbohydrates; Pulsed 204(1988)323

Flow system; Enzyme reactors; Myo-inositol 206(1988)49

Flow system; Residual chlorine 207(1988)59

H.p.l.c.; Fluorouracil; Pharmaceuticals; Serum; Anodic 207 (1988)183

Flow system; Cholesterol; Enzyme reactor; Serum 207(1988) 319

Flow system; Coulometry; Glycols; Anodic, Kinetics, Nickel electrode 208(1988)247

Catechol electrode; Spinach leaves, Oxygen electrode 208 (1988)287

Flow system; Ascorbate; Cucumber juice as carrier 208(1988) 291

Bienzyme electrode; Carnitine 208(1988)295

H.p.l.c.; Hydroquinone; Metol; Photographic developer; Reversed-phase, Ion-pair 208(1988)337

H.p.l.c.; Aflatoxins; Peanut butter 208(1988)343

nase 209(1988)223

Flow system; Pesticides; Fenthion; Fenitrothion 209(1988)205 Hydroxybutyrate; Immobilized 3-hydroxybutyrate dehydroge-

Flow system; Glucose; Lactic acid; Plasma; Computer-controlled 209(1988)231

H.p.l.c.; Amino acids; Enzyme electrodes; Detectors 209 (1988)259

Flow system; Superoxide dismutase activity; Oxygen probe 211(1988)195

Potentiometry; Fermentation processes; Microbiological sensors; Review 213(1988)69

Flow system; Enzyme electrode; Enzyme reactor; Lactate 213(1988)91

Flow system; Electrochemical biosensors; Milk components; Metabolites 213(1988)101

Flow system; Enzyme reactor; Xylose; Xylulose 213(1988)139

Flow system; Ion exchange; Acetylcholine; Choline; Enzyme reactor; Lipids 214(1988)173

Flow system; Enzyme reactor; Glutathione 214(1988)415

H.p.l.c.; Sulphur-containing pesticides; Pulsed, Reversed-phase 215(1988)1

H.p.l.c.; Aldehydes; Ketones; Photoelectrochemical detector; Mechanism, Alkyl, Aryl 215(1988)45

Microbial concentration; Reaction mechanism 215(1988)61

Flow system; Spectrophotometry; Review; Unstable reagents 216(1989)289

Flow system; Chemically sterilizable barrier; Fermentor monitoring; Glucose; Oxygen 216(1989)299

Flow system; Enzyme reactor; Oxalate; Immobilized oxalate oxidase 218(1989)1

Alcohol sensor; Membrane-bound alcohol dehydrogenase 218(1989)61

H.p.l.c.; Enzyme reactor; Nicotinamide coenzymes 218(1989) 129

Galactose; Glucose biosensor 218(1989)137

Flow system; Bioelectrodes from plant tissue; Dopamine; Dual electrode 218(1989)281

Titrimetry; Silver; Square-wave 219(1989)37

Fatty acid sensor; Immobilized enzymes 220(1989)251

Ion exchange; Voltammetry; Nafion; Sensor; Low-conductivity solvent 221(1989)27

Alcohol dehydrogenase; Bioelectrode; Ethanol; NADH; Yeast 221(1989)43

Blood-glucose; Carbon-fibre; Glucose-oxidase; Stopped-flow dialysis 221(1989)205

Hydroxybutyrate; Ketone body; Sensor; Dry-strip 221(1989)289

Electron mediator; Fermentation; Glucose; Enzyme electrode 222(1989)75

Immunoassay; Enzyme; α-Fetoprotein; Immunocomplex; Biosensor 222(1989)235

pH; Superoxide dismutase; Xanthine oxidase 222(1989)247

Flow system; Fructose; Glucose isomerase; Immobilization 224(1989)31

Biosensor; Salicylate; Whole blood 224(1989)39

Flow system; Electrocatalysis; Redox gas; Chemically modified electrode 224(1989)305

Flow system; Pharmaceutical preparation; Vitamin D 225 (1989)247

Flow system; Cell cultivation; Enzyme cartridge; Glucose; Lactate 225(1989)253

Immunoassay; Insulin; Serum; Enzyme immunoelectrode 225 (1989)283

Chlorite; Water; Continuous determination 226(1989)121

Faradaic transient; Concentration, Temperature, Chronoamperometry 226(1989)337

Glycolate; Glycolate oxidase; Sensor; Mediator 228(1990)31

Modified electrode; Film-coated electrode 228(1990)39

Acetylcholine; Acetylcholinesterase; Choline; Choline oxidase; Sensor; Photocross-linkable polymer 228(1990)49

Flow system; Copper 228(1990)117

Ferrocene; Glucose; Glucose oxidase; Carbon-paste electrode 228(1990)251

Glucose oxidase; Platinum microparticle; Polypyrrole 228 (1990)311

Flow system; Nitrophenol; Paraoxon; Parathion 228(1990)317

Alkaline phosphatase; Bovine liver; Test strip; Theophylline; Whole blood 229(1990)57

Voltammetry; Ascorbic acid; Multivitamin preparation; Composite electrode 229(1990)63

Flow system; Conducting organic salt; Glucose; Sensor; Walljet cell 229(1990)83

Liquid chrom.; Microbe; Tissue 229(1990)139

Flow system; Thiol; Nickel oxide electrode 229(1990)191

Chelating resin; Modified electrode; Preconcentration; Silver; Carbon paste electrode 229(1990)213

Amylase; Carbohydrate; Lactose; Oligosaccharide dehydrogenase; Enzyme electrode 230(1990)75

Aminoquinoline; Pyrolytic graphite electrode 230(1990)91

Liquid chrom.; Vitamin B₆; Carbon fibre electrode 230(1990)

Biosensors; Enzyme reactor; Choline; Acetylcholine; Immobilized, Hydrogen peroxide 231(1990)27

Cyclic voltammetry; Diffl. pulse voltammetry; Carbon electrodes; Biosensors; Ascorbic acid; Glutathione; Screenprinted, Cobalt phthalocyanine modifier 231(1990)203

Enzyme electrode; Lactate; Lactate dehydrogenase, Diaphorase, NADH, Hexacyanoferrate(II) 231(1990)309

Formaldehyde; Enzyme reactor; Dehydrogenase, Hexacyanoferrate(III), NADH 233(1990)59

Flow system; Penicillin; Pharmaceuticals; Expert system; Enzymatic hydrolysis; Validation program 233(1990)65

Liquid chrom.; Enzyme reactor; Carbohydrates; Immobilized, Post-column derivatization 234(1990)13

Flow system; Electrochemical detection; Chemically modified electrodes 234(1990)41

Flow system; Spectrophotometry; Potentiometry; Power plants; Process analysis; Water-steam cycles; pH; Ion-selective electrodes; Control parameters 234(1990)167

Liquid chrom.; Spectrophotometry; Coulometry; Thienodiazepines; Pharmaceuticals 234(1990)175

Flow system; Ethanol; Beverages; Gas-diffusion membrane; Enzyme reactor; Immobilized alcohol dehydrogenase, Hydrogen peroxide 234(1990)213

Flow system; Kinetic analysis; Oxalate; Photosensitive compounds; Iron (III) 234(1990)227

Flow system; Microorganisms; Microbiological sensor; Fungi; Bacteria; Escherichia coli 234(1990)247

Flow system; Enzyme electrode; Dopamine; Norepinephrine; Plant tissue-based electrode, Zucchini-based electrode, Ascorbic acid interference elimination 234(1990)315

Flow system; Enzyme electrode; Glucose; Blood; Mediator 234(1990)321

Lactate; Enzyme electrode; Tetrathiafulvalene mediator; Carbon foil, Lactate oxidase 234(1990)459

Liquid chrom.; Spectrophotometry; Copper; Iron; Waters; Biological materials; Extraction; Cupferron derivatization 235(1990)279

Enzyme electrode; Glucose; Sucrose; Immobilized invertase, Beverages 236(1990)245

Titrimetry; Polarography; Colloidal electrolytes; Dodecylquinolinium bromide; Potassium dichromate, Potassium hexacyanoferrate(III), Ammonium molybdate 236(1990)325

Flow system; Microwave digestion; Phosphorus; Waters 236 (1990)345

Hydroxybutyrate; Blood; Plasma; Biosensor; Enzyme electrodes; Platinized carbon electrode, NADH 237(1990)99

Enzyme electrode; Biosensor; Catechol; Eggplant; Biamperometric, Carbon paste electrode, Polyphenol oxidases 237 (1990)107

Liquid chrom.; Chloramines; Waters; Glassy carbon electrode 237(1990)149

Flow system; Glucose; Blood; Enzyme reactor; Chemically modified electrode, Segmented sample injection, On-line dialysis, Haematocrit 237(1990)405

Kinetic analysis; Ion-selective electrodes; Oxygen; Membrane electrode, Transient response 237(1990)413

Cyclic voltammetry; Pulp bleaching; Paper; Chlorine dioxide; Process analysis; In-line monitoring 238(1990)223

Flow system; Phosphate; Enzyme reactor; Substrate recycling; Co-immobilized purine nucleoside phosphorylase-xanthine oxidase, Co-immobilized purine nucleoside phosphorylase-xanthine oxidase-alkaline phosphatase 238(1990)339

Flow system; Sulphate; Calibration; Indirect determination 238(1990)431

Enzyme electrode; Phosphate; Waters; Hydrogen peroxide, Eutrophication 239(1990)1

Biosensor; Hydrogen peroxide; Enzyme electrode; Human erythrocytes, Catalase activity 239(1990)19

Enzyme electrodes; Glucose; Biosensors; Ugi reaction, Immobilization, Cyclohexyl cyanide, Glutaraldehyde 239 (1990)263

Enzyme electrodes; Lactate; Pyruvate; Cholesterol; Uric acid; Oxidase-peroxidase bilayer-modified, Hydrogen peroxide 242(1991)85

Flow system; Glucose; Foods; Soft drinks; Enzyme electrodes; Hydrogen peroxide, Membrane 242(1991)91

Cyclic voltammetry; Iron(II) complexes; Ethanedial; Glyoxal; Carbon paste electrodes; Redox mediators 242(1991)241

Hypoxanthine; Xanthine; Enzyme electrodes; Uric acid, Xanthine oxidase, Carbon paste 242(1991)267

Glucose; Enzyme electrodes; Glucose oxidase, Needle-type microsensor 242(1991)275

Enzyme electrodes; Amines; Plant growth regulators; Carbon paste-pea seedling sensor, Diamine oxidase, Hydrogen peroxide 243(1991)1

Enzyme electrodes; Glutamate; L-Glutamate oxidase, *Streptomyces platensis* 243(1991)9

Enzyme electrodes; Preconcentration; Biocatalytic accumulation; Glucose 243(1991)17

Enzyme electrodes; Lactate; Gamma irradiation; Poly(vinyl alcohol); Lactate oxidase, Platinized graphite, Hydrogen peroxide 243(1991)23

Flow system; Hydrogen ion; Hydroxyl ion; Ion-selective electrodes; Plasticised PVC membrane electrode 243(1991)55

Flow system; Chemically modified electrodes; Carbohydrates; Nickel, Glassy carbon 243(1991)61

Ascorbic acid; Foods; Printed strip electrochemical sensor; Graphite, Tetracyanoquinodimethane modifier 243(1991)173

Sulphydryl compounds; Chemically modified electrodes; Rotating graphite electrodes, Electrocatalytic oxidation 243 (1991)287

Biosensors; Enzyme electrodes; Hypoxanthine; Fish; Foods; Hydroxymethylferrocene electron-transfer mediator, Xanthine oxidase 244(1991)161

Cyclic voltammetry; Flow system; Liquid chrom.; Carbohydrates; Amino acids; Constant-potential amperometric detection, Metallic electrodes 244(1991)169

Enzyme electrodes; Aspartate aminotransferase; Alanine aminotransferase; Serum; Glutamate oxidase, Hydrogen peroxide 245(1991)57

Aspartate electrode; Enzyme electrode 245(1991)63

Enzyme electrodes; Hydrogen peroxide; Organic solvents, Horseradish peroxidase 245(1991)133

Enzyme electrodes; Lactate; Malate; Wines; Malate dehydrogenase, NADH oxidase 245(1991)145

Enzyme electrodes; Lactate; Saliva; Lactate oxidase, Hydrogen peroxide 245(1991)151

Flow system; Biosensors; Enzyme electrodes; Glucose; Glucose dehydrogenase, Benzene-1,4-dicarboxamide N,N-bis(benzophenoxazinyl) derivative 246(1991)283

Cyclic voltammetry; Flow system; Glassy carbon electrodes; Microelectrode arrays; TTF-TCNQ, Hydroquinone, Dopamine, Ascorbic acid 246(1991)315

Flow system; Diffusion coefficient 246(1991)341

Flow system; Iodide; Pneumatoamperometric detetion, Oxidation, Permanganate auxiliary oxidant 247(1991)73

Biosensors; Enzyme reactor; Foods; Sucrose; Yeast cell walls; Invertase, Mutarotation, Phosphate 247(1991)83

Dimethyl sulphoxide; DMSO; Electrocatalysis; Lead dioxide; Bismuth-doped lead dioxide thin films 248(1991)85

Liquid chrom.; Flow system; Cyclic voltammetry; Carbohydrates; Sugars; Nickel-catalysed glassy carbon electrode 248 (1991)117

Cyclic voltammetry; Enzyme electrodes; Glucose; Viologens; Electron-transfer mediators, Carbon paste electrode 248 (1991)155

Flow system; Enzyme reactor; Nicotinamide coenzymes; Immobilized, Amplification, Substrate recycling, Hydrogen peroxide 248(1991)345

Acetaminophen; Biosensor; Blood; Paracetamol; Dry-strip, Screen-printed 248(1991)361

Flow system; Air; Alcohols; Enzyme reactor; Gas detection; Hydrogen peroxide; Sulphur dioxide; Continuous monitoring, Platinum electrode 248(1991)379

Flow system; Potentiometry; Air; Chlorine; Gas detection; Hydrogen chloride; Continuous monitoring 248(1991)391

Glucose; Biosensors; Enzyme electrodes; Glucose dehydrogenase, Glucose oxidase 249(1991)43

Biosensors; Chloroplast membranes; Phytotoxicity; Thylakoid membranes; Waters; Herbicides, Heavy metals, Photoelectrochemical cell 249(1991)55

Kinetic analysis; Biosensors; Electron transfer; Quinoproteins; Methylamine dehydrogenase; Amicyanin, Cytochrome c 249(1991)235

Cyclic voltammetry; Electropolymerization; Glassy carbon electrodes; Polymer-coated electrodes; Resole prepolymer mixtures; Continuous-flow sensing 249(1991)395

Flow system; Enzyme reactor; Glucose; Double injection, Oxygen-permeable reaction coil, Stopped-flow 249(1991)451

Flow system; Voltammetry; Nafion-coated electrodes; Pharmaceuticals; Promethazine; Cations 249(1991)489

Flow system; Biosensors; Chemically modified electrodes; Enzyme reactor; Immobilized, Selective detection 250(1991)203

Immunoassay; Biosensors; Enzyme electrodes; Fibre-optic sensors; Immunosensors; Bioaffinity, Biocatalytic 250(1991)249

Anodic stripping voltammetry

Copper; Zinc; Intermetallic compounds 202(1987)151

Bismuth; Sea water; Square-wave, Glassy-carbon rotating-disk electrode 204(1988)161

Cadmium; Cobalt; Copper; Lead; Nickel; Waters; Differential-pulse 204(1988)179

Voltammetry; Metal alloys; Trace metals; Second-harmonic phase-selective a.c. 204(1988)189

Titrimetry; Equivalence point 206(1988)153

Cadmium; Extraction; Indium; Lead; Thallium; Diethyldithiocarbamates 208(1988)219

Ion exchange; Speciation; Toxicity; Waters; Physicochemical, Metal to *Chlorella pyrenoidosa* 209(1988)97

Gold 209(1988)193

Copper; Fulvic acid equilibria; Labile metal fraction; Lead; Sampled-d.c. 211(1988)141

Chemicals; Silver; Nafion/crown ether film electrode 212 (1988)341

Alkyllead species; Separation, Coprecipitation, Differential-pulse 212(1988)349

Diffl. pulse polarography; Flow system; Trace metals; Waters; Differential-pulse 215(1988)13

Cadmium; Copper; Internal standard; Lead; Waters; High-accuracy, Differential-pulse, Indium 215(1988)21

Heavy metals; Wine; Mercury microelectrodes, Differential-pulse 219(1989)9

Heavy metals; Rain; Seawater; Mercury microelectrodes, Differential-pulse 219(1989)19

Cadmium; Lead; Square-wave, Mercury-plated reticulated vitreous carbon electrode 219(1989)153

Copper; Lead; Potentiometric stripping analysis 222(1989)263

Lability; Mercury; Metal complex; Mercury film electrode 228(1990)327

Diffl. pulse voltammetry; Ion exchange; Lead; Copper 231 (1990)133

Voltammetry; Platinum-iridium electrode; Mercury film, Cyclic voltammetry 234(1990)275

Diffl. pulse voltammetry; Cadmium; Lead; Mercury-poly(4-vinylpyridine) coating, Glassy carbon electrode 234(1990)479

Polarography; Mercury microelectrodes; Non-conducting polymer coatings, Poly-N-ethyltyramine, Dithiocarbamate ligands 235(1990)451

Copper; Haemodialysis water 236(1990)449

Voltammetry; Electrochemical cell; Lead; Cadmium; Epinephrine; Cylindrical graphite fibre microelectrode, Square-wave 237(1990)127

Diffl. pulse voltammetry; Lead; Urine; Fumed silica 237 (1990)177

Diffl. pulse voltammetry; Mercury electrodes; Polymer modified electrodes; Copper; Lead; Cadmium 238(1990)345

Surfactants; Extraction; Anionic, Ethylenediaminecopper extractant 244(1991)197

Copper-mercury film electrode; Lead 246(1991)309

Copper complexes; Fulvic acids; Humic acids; 1-(2-Pyridylazo)-2-naphthol, 8-Quinolinol 248(1991)95

Cadmium; Lead; Cylindrical graphite fibre microelectrodes, In situ plated mercury films, Square-wave 249(1991)433

Atomic absorption spectrometry

Principal components; Electrotherm. atomization; Milk; Trace metals; Cow 201(1987)253

Electrotherm. atomization; Antimony; Semiconductor silicon; Solid samples 201(1987)311

Flow system; Extraction; Indium; Flame 201(1987)325

Hydride generation; Biological materials; Selenium 201(1987) 331

Electrotherm. atomization; Copper; Coprecipitation preconcentration; Manganese; Waters 202(1987)223

Experimental design; Glass ceramics; Titanium; Nitrous oxide/acetylene 203(1987)55

Electrotherm. atomization; Extraction; Palladium; Platinum; Rocks; Soils; Iodo complexes 204(1988)333

Flow system; Plants; Zinc; Flame 206(1988)253

Emission spectrometry; Molybdenum; Organometallic compounds; Flame 207(1988)259

Electrotherm. atomization; Extraction; Gold; Silver; Thallium; Urine; Flame, Iodide complexes 207(1988)283

Electrotherm. atomization; Sea water; Tetrahydroborate reductive precipitation; Trace elements; Preconcentration 207 (1988)291

Spectrophotometry; Extraction; Sulphide; Fluoride; Phosphate 208(1988)313

Hydride generation; Tellurium; Masking of interference 208 (1988)347

Electrotherm. atomization; Phosphorus; Plant materials; Tea leaves 208(1988)351

Mercury; Soils; Digestion procedures, Cold-vapour 209(1988)

Electrotherm. atomization; Copper; Sea water; Zinc; Polymer-supported 1,4,8,11-tetraazacyclotetradecane 209(1988)249

Electrotherm. atomization; Bismuth metal; Copper; Extraction; Zinc; Thiocyanate 209(1988)281

Electrotherm. atomization; Calcium carbonate scale; Carbonate rocks; Copper; Solid samples 209(1988)287

Ion exchange; Electrotherm. atomization; Heavy metals; Seawater; Pre-concentration, Chelex-100, pH and salts 211(1988) 257

Ion exchange; Electrotherm. atomization; Heavy metals; Seawater; Pre-concentration, Chelex-100, Optimization, Plate simulation method 211(1988)271

Platinum metal; Trace metals; Flame, Pulse aspiration 211 (1988)311

Ion exchange; Cobalt; Copper; Manganese; Nickel; Tellurium metal 212(1988)191

Flow system; Ion exchange; Emission spectrometry; Extraction; Gas diffusion; On-line separation; Preconcentration 214 (1988)41

Flow system; Emission spectrometry; Review 214(1988)57

Flow system; Lead preconcentration; Waters; Flame 214 (1988)329

Flow system; Calcium; Interference removal; Flame 214 (1988)339

Flow system; Biological tissues; Cadmium; Microwave digestion; Zinc 214(1988)421

Ion exchange; Spectrophotometry; Manganese metal; Trace elements 215(1988)111

Flow system; Cationic surfactants; Extraction; Waters; Indirect, With tetrathiocyanatocobaltate 215(1988)233

Flow system; Anaesthetics; Pharmaceuticals; Indirect, Precipitation 215(1988)241

Ion exchange; Spectrophotometry; Manganese metal; Trace elements 215(1988)317

Flow system; Extraction; Preconcentration; C-18 bonded silica 216(1989)243

Extraction; Metal complexes; Ore; Palladium; Ammonium pyrrolidine dithiocarbamate, Methyl isobutyl ketone 217 (1989)165

Electrotherm. atomization; Beryllium; Urine; Matrix modifier 217(1989)271

Electrotherm. atomization; Cobalt; Iron; Nickel; Molybdenum tube 217(1989)377

Electrotherm. atomization; Copper; Environmental samples; Extraction; Lead 218(1989)173

Sediments; Trace metals; Nitric acid digestion 218(1989)335

Extraction; Vanadium; Indirect 218(1989)341

Ion exchange; Copper speciation; Waters 219(1989)1

Electrotherm. atomization; Foods; Molybdenum 219(1989)79

Electrotherm. atomization; Phosphorus; Platform 219(1989) 127

Electrotherm. atomization; Silicon; Matrix modifiers 220 (1989)83

Principal components; Electrotherm. atomization; Mussels; Trace elements; Polluted and unpolluted 220(1989)135

Biological samples; Mercury; Microwave dissolution; Gold amalgamation, Cold-vapour 220(1989)257

Electrotherm. atomization; Microwave dissolution; Silicate materials 220(1989)263

Flow system; Iminodiacetate chelate resin; Metal ion; Microcolumn, On-line 221(1989)65

Hydride generation; Lead; Nitroso-R salt 221(1989)85

Mercury; Preconcentration; Seawater; Platinum-lined graphite furnace 225(1989)175

Aluminum; Fluoride; Matrix modifier; Graphite furnace 225 (1989)233

Gallium trichloride; Trace elements; Volatilization; Electrothermal atomization 226(1989)193

Mercury complex; Tetraethylthiuram disulphide; Tetramethylene dithiocarbamate; Graphite furnace 226(1989)203

Continuum-source; Inductively coupled plasma, Photodiode array 227(1989)331

Gas chromatography; Alkyllead; Grass; Speciation; Tree leaves 228(1990)77

Liquid chrom.; Graphite furnace 228(1990)129

Germanium; Hydride generation; Meteorite 228(1990)139

Emission spectrometry; Mass spectrometry; Gold; Platinum; Solvent extraction; Zeeman effect, Graphite furnace 229 (1990)227

Cellulose sorbent; Copper; Preconcentration; Quinolinol 230 (1990)163

Hydride generation; Lead; Soils; Alloys; Oxalic acid-ammonium cerium(III) nitrate-potassium tetrahydroborate medium 231(1990)151

Gold; Palladium; Platinum; Rhodium; Silver; Selenium; Tellurium; Geological samples; Reductive coprecipitation; Graphite furnace, Mercury collector, Matrix modification 231 (1990)273

Cadmium; Blood; Electrothermal atomization, Aqueous standards, L'vov platform 231(1990)283

Milk; Molybdenum; Electrothermal atomization, Barium difluoride, Matrix modifier 231(1990)321

Extraction; Metal ions; Cobalt; Nickel; Zinc; Cadmium; Phosphine oxides; Liquid-liquid, 1-Phenyl-3-methyl-4-benzoyl-5-pyrazolone 232(1990)293

Extraction; Heavy metals; Graphite furnace 232(1990)301

Ruthenium; Meteorites; Graphite furnace 232(1990)317

Waters; Sea water; Manganese; Preconcentration; Polyaza-macrocycles; Graphite furnace, Immobilized, Poly(vinylbenzyltetraaza-1,4,8,11-cyclotetradecane) 232(1990)331

Cobalt; Preconcentration; Extraction; Liquid surfactant membranes; Graphite furnace, Liquid-liquid 232(1990)389

Hydride generation; pH; Selenium; Selenium hydride stripping; Acid dissociation 232(1990)405

Lead; Cadmium; Mineral acids 233(1990)165

Flow system; Liquid chrom.; Review; Detectors 234(1989)3

Indium; Flame, Graphite furnace, Hydride generation, Contaminants, Detection limits 234(1990)425

Flow system; Methadone; Pharmaceuticals 234(1990)433

Gold; Silver; Plasma; Graphite furnace, Zeeman effect background correction, Copper-gold-silver salt mixture, Rat, Anti-inflammatory 235(1990)393

Liquid chrom.; Mercury; Speciation; Waters; Preconcentration; Waste waters, Cold vapour, Microcolumn 235(1990)399

Flame; Iron; Nickel; Cobalt; Molybdenum; Catalysts; Petroleum; Microwave oven digestion, Slurry 235(1990)405

Mercury; Waters; Sample digestion, Cold vapour 236(1990)377

Iridium; Rhodium; Ruthenium; Platinum; Matrix extraction, Graphite furnace 236(1990)385

Waters; Environmental samples; Lead; Cadmium; Copper; Zinc; Evaporation; Preconcentration; Snow, Ice, Contamination 236(1990)391

Flow system; Chromium; Preconcentration; Poly(hydroxamic acid) resin 236(1990)469

Vanadium; Waters; Electrothermal atomization, Hot injection, Graphite tube preconcentration, Magnesium nitrate matrix modifier 236(1990)475

Cadmium; Electrothermal atomization, Molybdenum tube, Sulphur modifier, Interference, Atom formation processes 236(1990)479

Hydride generation; Lead; Fish; Waters; Wine; Vegetable; Foods; Potassium dichromate 237(1990)181

Hydride generation; Antimony; Arsenic; Selenium; Sodium tetrahydroborate 237(1990)189

Cobalt; Aluminium alloys; Steels; Preconcentration; Tetradecyldimethylbenzylammonium thiocyanate adsorbent, Naphthalene support, Nitroso-R salt 237(1990)201

Ion exchange; Chromium; Waters; Preconcentration 238 (1990)273

Preconcentration; Nickel; Waters; Cellulose ion exchangers, Cellex CM, Graphite furnace 238(1990)285

Flow system; Microwave oven digestion; Solid samples; Sewage sludge; Flame, Manifold, Slurries 238(1990)417

Emission spectrometry; Electrotherm. atomization; Plasmas; Vanadium; Titanium; Steel; Inductively coupled, Tungsten boat atomizer 239(1990)139

Tin; Rocks; Graphite furnace, Silicate 239(1990)145

Waters; Nickel; Preconcentration; Extraction; Graphite furnace, Dithiocarbamate complex, Xylene 242(1991)209

Flow system; Copper; Aluminium alloys; Electrolytic dissolution 243(1991)65

Mercury; Coal fly ash; Gold amalgamation, Cold vapour 243 (1991)71

Thallium; Graphite furnace, Matrix modifiers 243(1991)239

Flow system; Catalysts; Mercury; Copper salts, Cadmium salts, Continuous microflow, Cold vapour 243(1991)247

Bismuth; Extraction; 2-(2-Benzoxazolyl)cyanoacetaldehyde, 2-(2-Benzoxazolyl)malonaldehyde 244(1991)123

Antimony; Interferences; Transition metal ions; Hydride generation, Sodium tetrahydroborate 244(1991)129

Flow system; Gold; Ores; Preconcentration; Amberlite XAD-8 resin 245(1991)7

Waters; Sea water; Extraction; Separating funnels; Fluorinated ethylene-propylene, Dithiocarbamate-Freon-TF-extraction 245(1991)21

Emission spectrom.; Silica; Metal impurities; Acid decomposition; Vapour phase, PTFE bomb 245(1991)35

Spectrophotometry; Rocks; Geological samples; Microwave acid digestion 245(1991)43

Air; Lead; Manganese; Mercury; Electrostatic precipitation 245(1991)203

Liquid chrom.; Computer simulation; Optical activity; Jones and Mueller calculus, Scientific block diagram program 246 (1991)9

Emulsification; Manganese; Organic solvents; Zinc; Triton X-100, Bis-2-ethylhexylphosphoric acid 246(1991)347

Gas chromatography; Hydride generation; Tributyltin oxide; Urine; Wood preservatives 246(1991)351

Extraction; Geological materials; Steels; Vanadium; Graphite furnace, Meteorites 246(1991)359

Fire assay; Geological materials; Palladium; Rhodium; Platinum; Rocks; Nickel sulphide 246(1991)365

Fish; Foods; Lead 246(1991)375

Antimony; Extraction; Waters; Lactic acid complex, Malachite Green ion pair, Graphite furnace 247(1991)7

Arsenic; Extraction; Steels; Waters; Graphite furnace, Arsenomolybdic acid 247(1991)13

Coal fly ashes; Selenium; Graphite furnace, Cadmium-palladium chemical modifier 247(1991)19

Principal components; Oysters; Trace metals 248(1991)51

Electrotherm. atomization; Extraction; Tungsten hexafluoride; Trace metals; Trioctylamine 248(1991)235

Electrotherm. atomization; Aluminium; Bismuth; Graphite furnace, Chemical modification, Nickel nitrate, Copper nitrate, Diammonium EDTA 248(1991)251

Gas chromatography; Mercury; Organomercury compounds; Ethylation, Sodium tetraethylborate 248(1991)563

Adsorption losses; Mercury; Cold vapour, Tubing adsorption 248(1991)575

Extraction; Nickel; Zinc; Bis(4-acylpyrazol-5-one) derivative extractants, Liquid-liquid, Polymethylene chain length, Steric effects, Tri-*n*-octylphosphine oxide synergist 249(1991)525

Activ. analysis; Cadmium; Cobalt; Copper; Mercury; Preconcentration; Trace metals; Waters; Zinc; Poly(acrylamidoxime) resin 249(1991)533

Electrotherm. atomization; Biological samples; Graphite furnace; Continuum source, Furnace atomic non-thermal excitation, Palladium and ruthenium modifiers 250(1991)71

Atomic fluorescence spectrometry

Gas chromatography; Air; Mercury species; Cold-vapour 208 (1988)151

Plasmas; Environmental samples; Inductively coupled, Gasphase atomization 231(1990)85

Mercury; Air; Preconcentration; Gold amalgamation, Cold vapour 236(1990)371

Mercury; Biological samples; Reduction aeration, Microwave dissolution 242(1991)203

C

Chemiluminescence

Flow system; Naphthols 202(1987)247

H.p.l.c.; Immunoassay; Quality control; Steroid labels 205 (1988)175

Immunoassay; Choline acetyltransferase; Tissue extracts 205 (1988)183

Flow system; Enzyme reactors; Sugars 205(1988)195

Spectrophotometry; Bis(2,4-dinitrophenyl)oxalate degradation 205(1988)207

Immunoassay; Estriol; Saliva 205(1988)215

Immunoassay; Meat samples; Nortestosterone; Comparison 205(1988)223

Immunoassay; Anabolic agents; Bovine serum 205(1988)243

Immunoassay; H.p.l.c.; Oxazepam; Urine 205(1988)249

H.p.l.c.; Estradiol; Serum; Normal-phase 205(1988)255

Flow system; Tetracycline 205(1988)261

Protein labelling; With acridinium ester 205(1988)267

Kinetic analysis; Chromium speciation; Carboxylate ligands, Humic acid 206(1988)263

Nicotinamide adenine dinucleotides; Radical intermediate, Anodic oxidation, Reduced, Electrogenerated 209(1988)69

Spectrophotometry; Flow system; Lactic acid fermentations; In-line monitoring 214(1988)137

Flow system; Sulphur dioxide; Wines; Young white 214(1988) 429

Polynuclear aromatic hydrocarbons; Micellar solution, Electrogenerated 215(1988)341

H.p.l.c.; Fluorimetry; Aminocoumarins 217(1989)11

Metastable transfer emission spectrometry; Superconducting ceramics; Thermally labile oxygen; High-temperature, Microwave discharge 217(1989)53

H.p.l.c.; Cobalt; Rice flour 217(1989)157

Bistrichlorophenyl oxalate; Micellar system 217(1989)229

Hydrogen peroxide; Stopped-flow technique; Luminol 217 (1989)239

Organic compounds 217(1989)371

E.s.r.; Superoxide generation 218(1989)179

Cetyltrimethylammonium bromide; Glucose oxidase; Hydrogen peroxide; Luminol; Micelle; Sensor 221(1989)11

Ion exchange; Liquid chrom.; Cobalt; Ion chromatography 221(1989)249

Liquid chrom.; Amine; Aminocoumarin; Luminarine; Peroxyoxalate 223(1989)309

Amino acid; Enzymatic assay; Glucose; Luminol; Micelle 225 (1989)147

Flow system; Hollow-fibre reactor; Hydroxy bile acid; Serum; Bioluminescence 225(1989)273

Emission spectrometry; Hydrogen flame 226(1989)305

Flow system; Fibre-optic; NADH; Sensor; Bioluminescence 226(1989)331

Genetic variant; Infectious agent 227(1989)1

Immunoassay; Acridinium label 227(1989)11

Liquid chrom.; Oxo-Bile acid; Oxo-Steroid; Peroxyoxalate 227(1989)21

Flow system; Blood; Creatine kinase; Bioluminescence 227 (1989)29

Biexponential degradation; Bis(dinitrophenyl) oxalate; Peroxyoxalate; Diphenylanthracene 227(1989)37

Cytochrome; Luminol; Microsomal protein; Isoenzyme 227 (1989)49

Iron chelate; Luminol; Xanthine oxidase 227(1989)57

Benzodiazepine; Loprazolam 227(1989)65

Flow system; Immunoassay; Acridinium; Immunoglobulin G 227(1989)97

Spectrophotometry; Immunoassay; Nortestosterone; Enzyme 227(1989)109

Immunoassay; Progesterone; Whole saliva; Microtitre plate 227(1989)119

Fluorimetry; Tissue; Charge coupled device 227(1989)257

Hypochlorite; Luminol; Water; Stopped-flow 228(1990)123

Air; Indigodisulphonate; Ozone 230(1990)183

Liquid chrom.; Diaminophthalhydrazide; Keto acids; Hydrogen peroxide 231(1990)1

Ion exchange; Chlorine; Waters; Uranine; Tap, Amberlite anion-exchange resin, Chloramines, Immobilized, Xanthene dye 231(1990)7

Formic acid; Waters; Sea water; Enzyme bioluminescence reaction 231(1990)299

Flow system; Chromium; Flavin mononucleotide; Cationic micellar surfactant modifier, Hydrogen peroxide 232(1990)385

Flow system; Electroluminescent compounds; Polynuclear aromatic hydrocarbons; Micelle-encapsulated, 9,10-Diphenylanthracene, Oxide-covered aluminium electrode 233(1990)199

Flow system; Fibre-optic sensor; ATP; NADH; Enzyme system; Polyamide membrane 235(1990)243

Chromatography; Flow system; Cobalt; Copper; Iron; Ion chromatography, Cation-exchange column 236(1990)287

Acetaldehyde; Enzyme reaction; Xanthine oxidase, Luminol, Potassium hexacyanoferrate (III) 236(1990)459

Quinine; Quinidine; Pharmaceuticals; Continuous-flow 236 (1990)463

Simplex optimization; Fuzzy linear-weight transformation, Multiple feature 236(1990)495

Dimethylxanthine; Europium(III); Energy transfer 237(1990) 273

Flow system; Immunoassay; Haptens; Enzyme system; Thyroxine; Horseradish peroxidase, Luminol 237(1990)285

Chromatography; Ion exchange; Trace metals; Multi-element detection; Waters; Co-EDTA post-column reagent, Luminol-peroxide, Zinc, Aluminium 237(1990)291

Spectrophotometry; Flow system; Enzyme reactions; Glucose; Serum; Mimetic peroxidase, Hydrogen peroxide, Luminol 237(1990)497

Fluorimetry; Phosphorimetry; Aluminium; Milk powder; Liquid room temperature, Ferron, Vesicles 238(1990)297

Liquid chrom.; Fluoropyrimidines; Coumarin derivatization reagents 239(1990)181

Flow system; Surfactants; Waters; Sea water; Nonidet AT 85, Rhodamine B sensitizer 239(1990)189

Flow system; Steroids; Cortisone; Corticosterone; Hydrocortisone; Progesterone; Testosterone; Sulphite oxidation, Potassium bromate 239(1990)195

Flow system; Vitamin B_{12} ; Luminol, Hydrogen peroxide, Cobalt 243(1991)127

Biosensors; Fibre-optic sensor; Enzyme-catalysed reactions; Self-contained, Entrapped co-reactant 243(1991)149

Toxic compounds; Environmental pollutants; Recombinant DNA; *Escherichia coli* bioluminescence, Sodium azide, Chloramphenicol 244(1991)201

Liquid chrom.; Chromatography; Alkanolamines; Ethanolamines; Ion-pair, Luminol 246(1991)447

Flow system; Amines; Amino acids; Fenton's reagent; Schiff bases; Phenylacetaldehyde, Sodium bis(2-ethylhexyl)sulphosuccinate reversed micellar solution 247(1991)27

Spectrophotometry; Flow system; Biomass; Fermentation; Glucose; Lactic acid; Lactate; Gradient dilution, Hydrogen peroxide 247(1991)45

Immunoassay; Methyltestosterone; Steroids; Direct reading, Microtitre plates, Luminoskan, Solid-phase 248(1991)207

Flow system; DNA; Enzyme reactor; Biotinylated glucose oxidase-labelled DNA probes, Hydrogen peroxide 249(1991) 155

Flow system; Manganese; Sea water; Waters; δ -Hydroxy-quinoline concentration, 7,7,8,8-Tetracyanoquinodimethane 249(1991)469

Carboxylic acids; Luminol; Peroxyoxalate; Polyaromatic hydrocarbons 250(1991)145

Chromatography

see also Gas chromatography, Gel permeation chromatography, High-performance liquid chromatography, Liquid chromatography, Paper chromatography, Thin-layer chromatography

Pattern recognition; k-Nearest-neighbour, Peak recognition 201(1987)153

Pattern recognition; Distance measures, k-Nearest-neighbour 201(1987)171

Resolution; Statistical functions for overlapping peaks 201 (1987)193

Algorithm; Column 222(1989)369

Ion exchange; Selectivity coefficient; Streaming potential 228 (1990)61

Electrochemical concentration; Injection device; Correlation chromatography 228(1990)209

Ion exchange; Glyphosate; Nitrosoglyphosate 230(1990)29

Spectrophotometry; Copper; Zinc; Cadmium; Preconcentration; Extraction; Reversed-phase partition, 2-(5-Bromo-2-pyridylazo)-5-dimethylaminophenol stationary phase 232 (1990)393

Ion exchange; Cyclic voltammetry; Nitrosamines; Methyldihydrooxadiazolium ion; Electrochemical detection, 1-Octanesulphonic acid ion-pairing reagent 232(1990)397

Flow system; Fibre-optic sensors; Optosensing; Ammonia; Phosphate; Thin-layer detector 234(1990)31

Chromatography; Signal/noise enhancement; Matched filtering; Theory 235(1990)343

Chromatography; Signal/noise enhancement; Matched filtering; Program and simulation 235(1990)355

Sample preparation 236(1990)3

Sample preparation; Steam distillation; Resin extraction; Organic compounds, Aqueous samples 236(1990)43

Sample preparation; Extraction solvents; Ethylammonium nitrate; Propylammonium nitrate; Liquid-liquid extraction, Proton donors 236(1990)51

Pesticides; Foods; Sample preparation; High fat 236(1990)77

T.l.c.; Sample preparation; Planar chromatography 236(1990) 83

Sample preparation; Pharmaceuticals; Pesticides; Biological samples; Serum; Blood; Extraction 236(1990)99

Standards; Exponential dilution; Gaseous, Concentration gradients 236(1990)221

Chiral separation; Optical purity; Micellar electrokinetic chromatography; Trimetoquinol hydrochloride; Laudanosoline, Norlaudanosoline, Laudanosine, Sodium taurodeoxycholate 236(1990)281

Chemiluminescence; Flow system; Cobalt; Copper; Iron; Ion chromatography, Cation-exchange column 236(1990)287

Ion exchange; Chemiluminescence; Trace metals; Multi-element detection; Waters; Co-EDTA post-column reagent, Luminol-peroxide, Zinc, Aluminium 237(1990)291

Ion exchange; Oxalate; Plasma; Enzymatic method; Chloride removal 237(1990)299

Ion exchange; Inorganic anions; Waters; Conductivity; Cu(II)-containing poly(3-methylthiophene) electrode, Single column 237(1990)317

Titrimetry; Ion exchange; Process analysis; Gas treatment; Sulphur; Thiols; Automated titrator 238(1990)161

Ion exchange; Spectrophotometry; Aluminium; Preconcentration; Pyrocatechol violet, Aqueous samples 238(1990)279

Flow system; Ion exchange; Potentiometry; Ion-selective electrodes; Calcium 242(1991)65

Amino acids; Enantioselective solubilization; Mixed-ligand complexes, N-alkyl-L-proline derivatives 242(1991)291

Polynuclear aromatic hydrocarbons; Fluorescence quenching; Nitromethane 246(1991)65

Subambient temperature separations; Reversed-phase liquid chromatography 246(1991)139

Photon counting system 246(1991)151

Flow system; Ion exchange; Cyclic voltammetry; Alkaline earth metal ions; Alkali metal ions; Polyaniline-Nafion electrode 246(1991)275

Peak purity control; Factor analysis 246(1991)379

Liquid chrom.; Chemiluminescence; Alkanolamines; Ethanolamines; Ion-pair, Luminol 246(1991)447

Peak parameters; Log-normal model 248(1991)59

Headspace analysis; Polyolefins; Correlation chromatography 248(1991)271

Fourier-transform filter; Signal-to-noise ratio 248(1991)441

Ion exchange; Copper; Palladium; Base metals 248(1991)535

Mass spectrometry; Liquid chrom.; Electrophoresis; Ion exchange; Histone H2A (1-53)-NH₂; Peptides; Synthesis, Purification, Characterization 249(1991)215

Peak characterization; Gram-Charlier series, Edgeworth-Cramér series 249(1991)337

Ion exchange; Arsenate; Germanate; Phosphate; Silicate; Molybdenum blue reaction, Post-column detection 249(1991) 539

Ion exchange; Cyanides; Ion-interaction chromatography; Metallo-cyanides; Preconcentration 250(1991)21

Conductometry

Polarography; Crown ether complexes; Stability constants; Divalent cations 201(1987)117

Air; Sulphur dioxide; Wall-jet detector; Preconcentration in water 203(1987)1

Amperometry; Carbohydrates; Pulsed 204(1988)323

Ion exchange; Spectrophotometry; H.p.l.c.; Anions; Waters; Tiron eluent 206(1988)281

Flow system; Spectrophotometry; Critical micelle concentrations; Surfactants; Ionic, Nonionic 209(1988)111

Enzyme-catalyzed reactions; Serum; Urea 211(1988)205

Ethanol production; Baker's yeast, Gas sensor 213(1988)151

Kinetic analysis; Blood; Enzyme activities 213(1988)267

Flow system; Spectrophotometry; Potentiometry; Fluorimetry; Automated micro batch analyser; Microcomputer control 214 (1988)107

Ethanol probe; Fermentors; Membrane gas sensor 215(1988)71

Pattern recognition; Odour-sensing system; Semiconductor gas sensors 215(1988)155

Gas chromatography; Alkanes; Hydrogen; Semiconductor gas sensors; Simplex optimization 216(1989)147

H.p.l.c.; Air; Nitrate; Nitrite; Passive monitors; Sulphate 217 (1989)135

H.p.l.c.; Ion exchange; Sludges; Soils; Tungstate 217(1989)383

Acetic acid; Acetone; Computerised array; Ethanol; Semiconductor gas sensors 219(1989)213

Isotachophoresis automation; Data management 219(1989)247

Total organic carbon; Volatile organic carbon; Waters; Denuder/electrolytic conductivity flow cell 220(1989)1

Flow system; Waters; Organic pollutants; Titanium dioxide; Film reactor; Immobilized 231(1990)13

Biosensor; Enzyme reactor; Urea; Asparaginase; Creatinine; Miniature, Multi-analyte, Electrode double layer capacitance 231(1990)33

Titrimetry; Humic acids; Polyelectrolytes 232(1990)141

Total organic carbon; Photocatalytic oxidation; Waters; Carbon dioxide 233(1990)171

Potentiometry; Titrimetry; Phenolic acids; Triethylamine, Tetrabutylammonium hydroxide 234(1990)339

Titrimetry; Anions; Tetra-n-octylammonium fluoride; Long-chain quaternary ammonium fluorides 238(1990)389

Flow system; Organohalogens; Combustion; Preconcentration; Air 241(1990)71

Piezoelectric quartz crystal; Electrodeless, Mass sensor 243 (1991)273

Flow system; Gas diffusion; Nitrogen; Waters; Ammonia, Nitrate, Nitrite 245(1991)183

Titrimetry; Iron; Piezoelectric detection; Dichromate, Permanganate, Redox 246(1991)421

Titrimetry; Piezoelectric detection; Iodimetry; Thiosulphate, Thiocyanate, Ascorbic acid, Linear extrapolation 246(1991)425

Biological samples; Elastase; Enzyme activity; *Pseudomonas aeruginosa*; Tetraalanine substrate, Insoluble elastin substrate 247(1991)79

Titrimetry; Potentiometry; Mesoionic compounds; Photographic additives; Silver complexes; Triazolium thiolate complexes; Stability constants, Ostwald ripeners 248(1991)603

Coulometry

Titrimetry; Spectrophotometry; Amperometry; Cell design 202(1987)75

Titrimetry; Potentiometry; Alkali metal halides; Trivalent metal sulphates; Hydrogen/palladium electrode 202(1987)231

Voltammetry; Mercaptoethanol; Anodic behaviour 206(1988) 65

Amperometry; Flow system; Glycols; Anodic, Kinetics, Nickel electrode 208(1988)247

Spectrophotometry; Hydrolysis of complex ion; Spectrocoulometric study; Tris(1,10-phenanthroline)iron(III) 209(1988)87

Acetyl ion generation; Organic bases; Oxidation of mercury in acetic anhydride 212(1988)73

Spectrophotometry; Voltammetry; Bicinchoninic acid; Protein 221(1989)223

Uric acid; Uricase; Urine 225(1989)425

Sensor-actuator; Field effect transistor 229(1990)71

Hydrogen ion; Mercury; Thiol; Platinum anode, Acetic acidacetic anhydride 229(1990)221

Ester; Hydrogen ion; Anodic oxidation, Propylene carbonate 229(1990)287

Flow system; Uric acid; Urine 230(1990)195

Liquid chrom.; Spectrophotometry; Amperometry; Thienodiazepines; Pharmaceuticals 234(1990)175

Titrimetry; Ion-selective field-effect transistor; Migration effect; Modelling, Sensor-actuator, Diffusion, Simulation, Nernst-Planck equations 237(1990)71

Titrimetry; Silver; Iron; Steel; Hydrogen sulphide 244(1991)59

Cyclic voltammetry; Diffl. pulse voltammetry; Chronocoulometry; Azidothymidine; Reduction mechanism, Electrode fouling 248(1991)399

Voltammetry; Electrode reaction mechanisms; Expert system 248(1991)429

Cyclic voltammetry

Bilayer lipid membranes; Electrical properties, Containing iodine and iodide 201(1987)51

Absolute pH scale; Acid-base equilibria; In organic solvents 208(1988)207

Piezoelectric sensing; Silver; Adsorption 209(1988)213

Digital simulation; Non-first-order electrode reactions, Finite-difference, Linear-sweep 211(1988)75

Flow system; (Fast scans) 211(1988)287

Chronoamperometry; Lead; Carbon fibre electrodes 212 (1988)331

Flow system; Phenolic compounds; Waters; Derivative 214 (1988)375

Diffl. pulse polarography; Marine organisms; Vanadium 219 (1989)281

Voltammetry; Kalman filter 223(1989)193

Electrode kinetics; Ferrocene; Micro-electrode 225(1989)83

Modified electrode; Preconcentration; Tifluadom 228(1990) 265

Amperometry; Diffl. pulse voltammetry; Carbon electrodes; Biosensors; Ascorbic acid; Glutathione; Screen-printed, Cobalt phthalocyanine modifier 231(1990)203

Gold; Carbon paste-electrode; Chelating resin modified 232 (1990)367

Chromatography; Ion exchange; Nitrosamines; Methyldihydrooxadiazolium ion; Electrochemical detection, 1-Octane-sulphonic acid ion-pairing reagent 232(1990)397

Diffl. pulse polarography; Carbodiimides 234(1990)471

Glucose; Enzyme electrode; Poly(*N*-methylpyrrole) film, Immobilized, Glucose oxidase, Gold microelectrode, Electropolymerization 235(1990)255

Octadecylsilyl-coated electrodes; Micellar solutions; Ferrocene, Hexaammineruthenium(III), Hexacyanoferrate(II), Sodium dodecyl sulphate, Cetyltrimethylammonium bromide, Platinum electrode, Pyrolytic graphite electrode 235(1990)307

Diffl. pulse polarography; Celiptium; Pharmaceuticals; Carbon paste electrode; Lipid modification 236(1990)299

Diffl. pulse polarography; Diffl. pulse voltammetry; Vanadium; Speciation; EDTA complexes 236(1990)315

Kinetic analysis; Hexacyanoferrates; Oscillating reaction; Mechanism, Silver plating solution, Photographic solution 236(1990)411

Amperometry; Pulp bleaching; Paper; Chlorine dioxide; Process analysis; In-line monitoring 238(1990)223

Voltammetry; Adsorptive stripping; Azinphos-methyl; Guthion; Waters 238(1990)383

Amperometry; Iron(II) complexes; Ethanedial; Glyoxal; Carbon paste electrodes; Redox mediators 242(1991)241

Diffl. pulse voltammetry; Flow system; Plant tissue-vitreous carbon electrodes; Biosensors; Mushroom, Potato, Horseradish 242(1991)259

Diffl. pulse voltammetry; Diaminopurinol; Graphite electrodes; Carbonyl sites 243(1991)33

Glassy carbon electrodes; Redox species; Electrochemical oxidation 243(1991)43

Kinetic analysis; Orthogonal collocation; Heterogeneous equivalent formulation; Simulation; Fast second-order reactions 243(1991)301

Ionophores; Monensin; Lasalocid; Antibiotics; Gel/electrolyte interface, charge transfer 244(1991)15

pH sensor; Waters; Coated-wire electrode; Chemically modified electrode, Poly(4,4'-diaminobiphenyl) 244(1991)165

Amperometry; Flow system; Liquid chrom.; Carbohydrates; Amino acids; Constant-potential amperometric detection, Metallic electrodes 244(1991)169

Ferrocenylalkanethiols; Alkanethiols; Gold electrode; Mixed monolayer films 246(1991)233

Chlorine; Microelectrodes; Waters; Platinum microdisc, Gold microdisc and microband 246(1991)267

Flow system; Chromatography; Ion exchange; Alkaline earth metal ions; Alkali metal ions; Polyaniline-Nafion electrode 246(1991)275

Amperometry; Flow system; Glassy carbon electrodes; Microelectrode arrays; TTF-TCNQ, Hydroquinone, Dopamine, Ascorbic acid 246(1991)315

Liquid chrom.; Flow system; Amperometry; Carbohydrates; Sugars; Nickel-catalysed glassy carbon electrode 248(1991)117

Amperometry; Enzyme electrodes; Glucose; Viologens; Electron-transfer mediators, Carbon paste electrode 248(1991)155

Diffl. pulse voltammetry; Coulometry; Chronocoulometry; Azidothymidine; Reduction mechanism, Electrode fouling 248(1991)399

Immunoassay; Voltammetry; Anti-HSA; HSA; Immunosensors; Polymer-modified electrodes; Polypyrrole 249(1991)381

Amperometry; Electropolymerization; Glassy carbon electrodes; Polymer-coated electrodes; Resole prepolymer mixtures; Continuous-flow sensing 249(1991)395

D

D.c. polarography

Galactosamine complexes; Glucosamine complexes; Cobalt, Nickel, Copper 207(1988)85

Voltammetry; Diffl. pulse polarography; Uracil derivatives; Cathodic stripping 211(1988)155

Anion-induced adsorption; Metal ions 218(1989)7

Voltammetry; Fulvic acids; Metal-fulvic complexes; Complexants; Diffusion coefficient, Distribution function 232(1990)209

Indium; Cadmium; Polyethylene glycol monostearate 233 (1990)325

Diffl. pulse polarography; Voltammetry; Potentiometry; Controlled potential electrolysis; Aziridinylquinones; Quinones; Bisaziridinylbis(ethoxycarbonylamino)benzoquinone; Diaziquone, Bioreductive alkylating quinones 234(1990)285

Diffl. pulse polarography; Pirimicarb; Carbamates; Pesticides; Tast 234(1990)309

Diffl. pulse polarography; Copper; Aminomethoxypropane; Dimethylaminoethanol; Waters; Boiler water; Amine complexes, Reduction 239(1990)291

Nitrite; Cobalt(II)-thiocyanate-ascorbic acid complex, Single-sweep 241(1990)161

Differential pulse polarography

Chlorite; Waters 204(1988)169

Hydrazides; Isonicotinic acid hydrazide; Pharmaceuticals 206 (1988)379

Voltammetry; D.c. polarography; Uracil derivatives; Cathodic stripping 211(1988)155

Anod. stripping voltammetry; Flow system; Trace metals; Waters; Differential-pulse 215(1988)13

Cyclic voltammetry; Marine organisms; Vanadium 219(1989) 281

D.c. polarography; Voltammetry; Potentiometry; Controlled potential electrolysis; Aziridinylquinones; Quinones; Bisaziridinylbis(ethoxycarbonylamino)benzoquinone; Diaziquone, Bioreductive alkylating quinones 234(1990)285

D.c. polarography; Pirimicarb; Carbamates; Pesticides; Tast 234(1990)309

Cyclic voltammetry; Carbodiimides 234(1990)471

Cyclic voltammetry; Celiptium; Pharmaceuticals; Carbon paste electrode; Lipid modification 236(1990)299

Amino acids; Foods; Serum; Schiff's base, Borax buffer, Acetaldehyde 236(1990)307

Cyclic voltammetry; Diffl. pulse voltammetry; Vanadium; Speciation; EDTA complexes 236(1990)315

D.c. polarography; Copper; Aminomethoxypropane; Dimethylaminoethanol; Waters; Boiler water; Amine complexes, Reduction 239(1990)291

Micellar solutions; Organochlorine pesticides; Pesticides; Dieldrin, Endosulfan, Endosulfan sulphate, Surfactants 246 (1991)293

Differential pulse voltammetry

Oyster Tissue; Selenium; 3,3'-Diaminobenzidine piazselenol 201(1987)23

Anaerobic adhesive; Copper; Iron; Glassy carbon electrode 217(1989)335

Anod. stripping voltammetry; Ion exchange; Lead; Copper 231(1990)133

Cyclic voltammetry; Amperometry; Carbon electrodes; Biosensors; Ascorbic acid; Glutathione; Screen-printed, Cobalt phthalocyanine modifier 231(1990)203

Anod. stripping voltammetry; Cadmium; Lead; Mercury-poly(4-vinylpyridine) coating, Glassy carbon electrode 234 (1990)479

Cyclic voltammetry; Diffl. pulse polarography; Vanadium; Speciation; EDTA complexes 236(1990)315

Anod. stripping voltammetry; Lead; Urine; Fumed silica 237 (1990)177

Surfactants; Fast scan 237(1990)233

Anod. stripping voltammetry; Mercury electrodes; Polymer modified electrodes; Copper; Lead; Cadmium 238(1990)345

Iron; Waters; Aluminium; Carbon paste electrodes; Preconcentration; Nafion modifier, 1,10-Phenanthroline modified 241(1990)137

Cyclic voltammetry; Flow system; Plant tissue-vitreous carbon electrodes; Biosensors; Mushroom, Potato, Horseradish 242 (1991)259

Cyclic voltammetry; Diaminopurinol; Graphite electrodes; Carbonyl sites 243(1991)33

Europium; Ytterbium; Rare earths; Mercury thin-film electrodes; Nafion coating; Ion-exchange preconcentration 244 (1991)29

Voltammetry; Oxazepam; Camazepam; Temazepam; Benzodiazepines; Human serum albumin, Adsorptive stripping voltammetry 244(1991)49

Molybdenum; Plant materials; Waters; Nitrate, 8-Hydroxy-quinoline 244(1991)193

Cyclic voltammetry; Coulometry; Chronocoulometry; Azidothymidine; Reduction mechanism, Electrode fouling 248 (1991)399

Biological cells; Biosensors; Nickel; Porphyrin microsensors; Carbon fibre ultramicroelectrodes, Single cells 249(1991)35

Copper; Gold; Reactor moderator water; Silver; Mercury; Waters 249(1991)447

E

Electron probe analysis

Mass spectrometry; Ion-microprobe; Review; Three-dimensional analysis; Secondary-ion 216(1989)25

Microanalysis; Review 218(1989)185

Hydrogenation; Nickel catalyst; Sulphur poisoning 226(1989)43

Electron spin resonance

Transition metal ions; Variation of temperature, First-derivative 218(1989)93

Chemiluminescence; Superoxide generation 218(1989)179

X-ray fluores. spectrometry; Coprecipitation; Manganese; Pore water 222(1989)169

Fulvic acids; Paramagnetic metal ions 232(1990)51

Oxygen free radicals; Superoxide; Copper complexes, Hydroxyl radicals 243(1991)221

Electrophoresis

Biomolecule purification; Staining system; Automated 213 (1988)207

Peptides; Recombinant DNA technology; Capillary zone 213 (1988)215

Enteropathogenic bacteria; Restriction endonucleases 213 (1988)273

Fluorimetry; Polynuclear aromatic hydrocarbon 229(1990)295

Food extract; Metal-protein complex; Flow-through, Flat-bed 230(1990)1

Liquid chrom.; Micellar chromatography; Binding constants; Capillary zone, Surfactants 231(1990)237

Proteinase; Enzyme activities; Trypsin; Papain; Chromogenic substrates, *N*-Benzoyl-DL-arginine *p*-nitroanilide 238(1990)331

Liquid chrom.; Solute-micelle binding constants; Micellar, Electrokinetic 246(1991)131

Liquid chrom.; Haemoglobin; Isoelectric focusing; Peptides; Proteins; Anion-exchange, Red blood cells 249(1991)169

Mass spectrometry; Liquid chrom.; Ion exchange; Chromatography; Histone H2A (1–53)-NH₂; Peptides; Synthesis, Purification, Characterization 249(1991)215

Monoclonal antibodies; Micropreparative collection system, Multiple capillaries 249(1991)247

Immunoassay; Antibody expression; Enzyme-linked immunosorbent assay; Flow cytometry; Hybridoma cells; Monoclonal antibodies; Homogeneous continuous perfusion culture systems 249(1991)257

Haemoglobin; Isoelectric focusing; Thermally formed, stepped-ramp pH gradients, Hb variant separation 249(1991) 297

Liquid chrom.; Capillary 250(1991)45

Electrothermal atomization

Spectrophotometry; Fuel oils; Sulphur; Carbon sulphide molecules 201(1987)59

Principal components; At. abs. spectrometry; Milk; Trace metals; Cow 201(1987)253

At. abs. spectrometry; Antimony; Semiconductor silicon; Solid samples 201(1987)311

At. abs. spectrometry; Copper; Coprecipitation preconcentration; Manganese; Waters 202(1987)223

At. abs. spectrometry; Extraction; Palladium; Platinum; Rocks; Soils; Iodo complexes 204(1988)333

At. abs. spectrometry; Extraction; Gold; Silver; Thallium; Urine; Flame, Iodide complexes 207(1988)283

At. abs. spectrometry; Sea water; Tetrahydroborate reductive precipitation; Trace elements; Preconcentration 207(1988)291

At. abs. spectrometry; Phosphorus; Plant materials; Tea leaves 208(1988)351

At. abs. spectrometry; Copper; Sea water; Zinc; Polymer-supported 1,4,8,11-tetraazacyclotetradecane 209(1988)249

At. abs. spectrometry; Bismuth metal; Copper; Extraction; Zinc; Thiocyanate 209(1988)281

At. abs. spectrometry; Calcium carbonate scale; Carbonate rocks; Copper; Solid samples 209(1988)287

Ion exchange; At. abs. spectrometry; Heavy metals; Seawater; Pre-concentration, Chelex-100, pH and salts 211(1988)257

Ion exchange; At. abs. spectrometry; Heavy metals; Seawater; Pre-concentration, Chelex-100, Optimization, Plate simulation method 211(1988)271

At. abs. spectrometry; Beryllium; Urine; Matrix modifier 217 (1989)271

At. abs. spectrometry; Cobalt; Iron; Nickel; Molybdenum tube 217(1989)377

At. abs. spectrometry; Copper; Environmental samples; Extraction; Lead 218(1989)173

At. abs. spectrometry; Foods; Molybdenum 219(1989)79

At. abs. spectrometry; Phosphorus; Platform 219(1989)127

At. abs. spectrometry; Silicon; Matrix modifiers 220(1989)83

Principal components; At. abs. spectrometry; Mussels; Trace elements; Polluted and unpolluted 220(1989)135

At. abs. spectrometry; Microwave dissolution; Silicate materials 220(1989)263

Emission spectrometry; At. abs. spectrometry; Plasmas; Vanadium; Titanium; Steel; Inductively coupled, Tungsten boat atomizer 239(1990)139

At. abs. spectrometry; Extraction; Tungsten hexafluoride; Trace metals; Trioctylamine 248(1991)235

At. abs. spectrometry; Aluminium; Bismuth; Graphite furnace, Chemical modification, Nickel nitrate, Copper nitrate, Diammonium EDTA 248(1991)251

At. abs. spectrometry; Biological samples; Graphite furnace; Continuum source, Furnace atomic non-thermal excitation, Palladium and ruthenium modifiers 250(1991)71

Emission spectrometry

Ion exchange; Geological samples; Gold; Palladium; Plasmas; Platinum 201(1987)95

Pattern recognition; Archaeological glass; Origin, Supervised learning, Optical emission spectrography 201(1987)289

Afterglow discharge; Polynuclear aromatic hydrocarbons 201 (1987)317

Molecular emission cavity analysis; Organic sulphur compounds; Electrolytic generation of hydrogen sulphide 202 (1987)241

Flow system; Molecular emission cavity analysis; Organic sulphur compounds; Alkaline hydrolysis 204(1988)285

Spectrophotometry; Plasmas; Silica speciation; Waters; Highpurity, Inductively coupled 204(1988)339

Principal components; Plasmas; Inductively-coupled 206 (1988)203

H.p.l.c.; Geological samples; Plasmas; Rare-earth elements; Inductively-coupled 207(1988)149

Extraction; Geological materials; Plasmas; Silver 207(1988)171

At. abs. spectrometry; Molybdenum; Organometallic compounds; Flame 207(1988)259

Computer-controlled rapid-scanning echelle monochromator; Plasmas; Sediments; Soils; Trace elements; Inductively-coupled 207(1988)269

Body fluids; Elements; Discrete nebulization, Nitrous oxide/acetylene 207(1988)349

Alcohol dehydrogenase-catalyzed reactions; Ethanol; Molecular emission cavity analysis 207(1988)355

Liquid chrom.; Geological samples; Plasmas; Rare earth elements; Inductively-coupled, Oxalate coprecipitation, Cation-exchange 208(1988)163

Plasmas; Simplex optimization; Multi-element, Inductively-coupled, Wide-bore injector, Minimum interference 209 (1988)135

Hydride generation; Molecular emission cavity analysis; Tin 209(1988)275

Flow system; Ion exchange; At. abs. spectrometry; Extraction; Gas diffusion; On-line separation; Preconcentration 214 (1988)41

Flow system; At. abs. spectrometry; Review 214(1988)57

H.p.l.c.; Microwave-induced nitrogen discharge; Replacement-ion chromatography 215(1988)99

H.p.l.c.; Flow system; Plasmas; Microliter samples, Peak-shaped input, Inductively-coupled 215(1988)143

Flow system; Boron; Plasmas; Waters; Inductively coupled 218(1989)69

Plasmas; Ruthenium; Enhancement by periodic acid, Inductively coupled 218(1989)77

Mass spectrometry; Mercury; Natural waters; Sediment; Inductively coupled plasma/mass spectrometry, Sodium borohydride 221(1989)77

Sodium aluminate; Bayer process, Inductively coupled plasma 221(1989)91

Barium; Copper; Superconductor; Yttrium; Inductively coupled plasma 221(1989)167

Barium; Sea water; Inductively coupled plasma 222(1989)55

Amniotic fluid; Inductively coupled plasma, Metals 224(1989) 73

Biological material; Dissolution; Environmental material; Microwave; Inductively coupled plasma 225(1989)159

Neutron activation; Copper isotope; Dietary copper; Hair; Direct-current argon plasma 225(1989)185

Flow system; Sulphide; Molecular emission cavity analysis 225(1989)359

Noise; Signal analysis; Inductively coupled plasma, Microlitre sample 226(1989)53

Calibration; Signal analysis; Inductively coupled plasma, Microlitre sample 226(1989)73

Chemiluminescence; Hydrogen flame 226(1989)305

Gas chromatography; Biological sample; Methylmercury; Headspace, Microwave-induced plasma 228(1990)93

Isotope dilut. analysis; Mass spectrometry; Geological material; Rubidium 229(1990)157

At. abs. spectrometry; Mass spectrometry; Gold; Platinum; Solvent extraction; Zeeman effect, Graphite furnace 229 (1990)227

Hydride generation; Germanium; Interference 229(1990)239

HNO emission; Hydrogen flame 230(1990)151

Nickel; Microwave-induced plasma; Preconcentration; Biological samples; Nickel carbonyl, Chromosorb 231(1990)265

Plasmas; Chromium; Inductively coupled, Simultaneous trace element determination 233(1990)243

Molecular emisson cavity analysis; Cyanide; Sulphite-form-aldehyde addition compound 233(1990)307

Plasmas; Arsenic; Inductively coupled, Tandem on-line continuous separation 234(1990)133

Flow system; Gasoline; Lubricating oil; Flame 234(1990)439

Molecular emission cavity analysis; Sulphur; Quenching, Oxygen-hydrogen flame 235(1990)413

Activ. analysis; Mass spectrometry; Rare earth elements; Rocks; Plasmas; Isotope dilution, Inductively coupled 236 (1990)487

At. abs. spectrometry; Electrotherm. atomization; Plasmas; Vanadium; Titanium; Steel; Inductively coupled, Tungsten boat atomizer 239(1990)139

Molecular emission cavity analysis; Amino acids; Indirect, Trinitrobenzenesulphonic acid, Sulphur emission 239(1990)161

Sulphate; Disulphur; Disulphur molecular emission 243 (1991)227

At. abs. spectrometry; Silica; Metal impurities; Acid decomposition; Vapour phase, PTFE bomb 245(1991)35

Boron; Direct current; Plasmas; Silica; Acid decomposition, Mannitol 245(1991)207

Germanium compounds; Plasmas; Inductively coupled 247 (1991)1

Flow system; Plasmas; Preconcentration; Sea water; Trace metals; Urine; Waters; Inductively coupled, Chelating resin 248(1991)241

Geological materials; Gold; Plasmas; D.c. argon plasma 248 (1991)569

Spectrophotometry; Geological materials; Plasmas; Silica; Centrifugation, Differentiation of colloidal and dissolved silica, Filtration, Inductively coupled, Tuffs 249(1991)509

Magnesium; Plasmas; Inductively coupled, Optimization 250 (1991)85



Flow system

Potentiometry; Mercury; Water; Fibre electrodes, Computerized, Constant-current stripping 201(1987)1

Fluorimetry; Micellar-catalyzed reaction; Pyridoxal 201(1987) 67

Spectrophotometry; Hydrogen peroxide; Seawater; Reagent-injection 201(1987)83

Unsteady motion; Mathematical model 201(1987)109

Potentiometry; Arsenic; Sea water; Constant-current stripping, Gold fibre electrodes 201(1987)263

Potentiometry; Air; Mercury; Computerized flow constantcurrent stripping, Gold fibre electrode 201(1987)269

At. abs. spectrometry; Extraction; Indium; Flame 201(1987)325

Spectrophotometry; Fluorimetry; Europium; On-line reduction 201(1987)339

Spectrophotometry; Copper; Microemulsions 201(1987)345

Fluorimetry; Blood; Enzyme reactor; Lactate; Immobilized 201(1987)351

Spectrophotometry; Etoposide; On-line electrochemical derivatization; Plasma; Teniposide; Diode-array detection 202(1987)35

Potentiometry; Enzyme-modified field effect transistor; Urea 202(1987)131

Enzyme reactor; Foods; Fructose; Glucose 202(1987)199

Chemiluminescence; Naphthols 202(1987)247

Potentiometry; Chemical sensor testing; Urease sensor; Online analysis 204(1988)7

Kinetic analysis; Spectrophotometry; Paracetamol; Single bead-string reactor; Optimization 204(1988)29

Amperometry; Carbohydrate; Enzyme reactor; Starch; Immobilized glucoamylase 204(1988)43

Spectrophotometry; Ion exchange; Arsenate; Phosphate; Silicate 204(1988)53

Spectrophotometry; Molasses; Sucrose; Sugar-cane juice 204 (1988)259

Pharmaceuticals; Serum; Sulphonamides; Urine 204(1988)271

Emission spectrometry; Molecular emission cavity analysis; Organic sulphur compounds; Alkaline hydrolysis 204(1988)285

Potentiometry; Photo-cured polymer membrane; Potassium-selective electrode; Valinomycin 204(1988)329

Fluorimetry; Amines; Secondary, Non-aqueous 204(1988)343

Fluorimetry; Intracerebral dialysis; Lactic acid; Rat brains; Enzymatic 205(1988)53

Chemiluminescence; Enzyme reactors; Sugars 205(1988)195

Fluorimetry; Amino acids; Bioluminescence; Enzyme reactor; Serum; Urine; Branched-chain 205(1988)229

Chemiluminescence; Tetracycline 205(1988)261

Amperometry; Enzyme reactors; Myo-inositol 206(1988)49

At. abs. spectrometry; Plants; Zinc; Flame 206(1988)253

Spectrophotometry; Acids; Bases 206(1988)313

Potentiometry; Cadmium; Lead; Nafion-modified carbon fibre electrodes; Urine; Zinc; Computerized flow, Stripping 207 (1988)17

Potentiometry; Silver; Constant-current stripping 207(1988)27

Potentiometry; Arsenic; Seawater; Urine; Constant-current stripping 207(1988)37

Amperometry; Residual chlorine 207(1988)59

Orthophosphate; Reliability criterion; Method development evaluation 207(1988)111

Dilution module; Single-stage, Dual-stage 207(1988)225

Amperometry; Cholesterol; Enzyme reactor; Serum 207 (1988)319

Potentiometry; Antilog converter 207(1988)325

Kinetic analysis; Cobalt; Waters; In-line preconcentration 207(1988)331

Spectrophotometry; Aluminium; Waters 207(1988)337

Dispersion characteristics; Single-line, Without chemical reaction 208(1988)117

Simulation of mathematical models; Single-line, Without chemical reaction 208(1988)133

Potentiometry; Fluoride-selective electrode; Horseradish peroxidase; Milk; Turnip extract 208(1988)173

Potentiometry; Cobalt; Nickel; Constant-current stripping, Carbon fibre electrodes 208(1988)237

Amperometry; Coulometry; Glycols; Anodic, Kinetics, Nickel electrode 208(1988)247

Amperometry; Ascorbate; Cucumber juice as carrier 208 (1988)291

Potentiometry; Gold; Computerized flow, Constant-current stripping, Carbon or platinum fibre electrodes 208(1988)301

Spectrophotometry; Animal tissues; Creatine 208(1988)307

Spectrophotometry; Chlorine; Waters; Residual 208(1988)317

Capillary suction pump; Chemical sensors 209(1988)57

Conductometry; Spectrophotometry; Critical micelle concentrations; Surfactants; Ionic, Nonionic 209(1988)111

Potentiometry; Enzyme reactor; Penicillin; Pharmaceuticals 209(1988)123

Spectrophotometry; Gas-diffusion flow-injection; Optimization 209(1988)157

Amperometry; Pesticides; Fenthion; Fenitrothion 209(1988) 205

Amperometry; Glucose; Lactic acid; Plasma; Computer-controlled 209(1988)231

Potentiometry; Blood; Urea; Ammonium electrode, Immobilized urease 209(1988)239

Spectrophotometry; Biological tissues; Phosphorus; Aluminium block digestion 209(1988)299

Potentiometry; Blood; Lead; Computerized stripping 209

Spectrophotometry; Multicomponent determinations; Partial least squares modeling 211(1988)1

Spectrophotometry; Monosaccharides; Strongly oxidizing agents; Manganese(VI), Copper(III) 211(1988)99

H.p.l.c.; Voltammetry; Blood; Uracil derivatives; Urine; Differential pulse, Cathodic stripping 211(1988)175

Amperometry; Superoxide dismutase activity; Oxygen probe 211(1988)195

Potentiometry; Calcium selective electrodes 211(1988)213

Spectrophotometry; Alcoholic beverages; Enzyme reactor; Glucose; NADPH formed 211(1988)281

Cyclic voltammetry; (Fast scans) 211(1988)287

Kinetic analysis; Sulphur anions; Catalyzed iodine-azide reaction 211(1988)299

H.p.l.c.; Extraction; Organophosphorus pesticides; Waters 212(1988)123

Spectrophotometry; Copper; Wave-guide capillary cell 212 (1988)245

Spectrophotometry; Calcium; Magnesium; Waters; Simultaneous 212(1988)291

H.p.l.c.; Antibiotics production; Process control; On-line 213 (1988)1

Fluorimetry; Fermentation; Phenylalanine 213(1988)55

Potentiometry; Proteins; Streaming potential; Affinity column 213(1988)79

Amperometry; Enzyme electrode; Enzyme reactor; Lactate 213(1988)91

Amperometry; Electrochemical biosensors; Milk components; Metabolites 213(1988)101

Amperometry; Enzyme reactor; Xylose; Xylulose 213(1988)139

Potentiometry; Voltammetry; Fluorimetry; Bioreactors; Yeasts; High-performance, On-line sensors 213(1988)199

Fluorimetry; Kinetics of analytical bioreactor 213(1988)245

Heterogeneous sample materials; Immobilized reagents; Review 214(1988)1

Extraction; Review 214(1988)29

Ion exchange; At. abs. spectrometry; Emission spectrometry; Extraction; Gas diffusion; On-line separation; Preconcentration 214(1988)41

At. abs. spectrometry; Emission spectrometry; Review 214 (1988)57

Spectrophotometry; Dispersion behaviour; Impulse/response functions; Fourier algorithm 214(1988)77

Spectrophotometry; Biotechnology assays; High-sensitivity flow injection; Macromolecules 214(1988)87

Spectrophotometry; Dispersion 214(1988)97

Conductometry; Spectrophotometry; Potentiometry; Fluorimetry; Automated micro batch analyser; Microcomputer control 214(1988)107

Spectrophotometry; Ion exchange; Ammonium ions; Gas-diffusion separation 214(1988)121

Spectrophotometry; Chemiluminescence; Lactic acid fermentations; In-line monitoring 214(1988)137

Reflectance spectrometry; Creatinine; Serum; Gas diffusion 214(1988)147

Spectrophotometry; Fluorimetry; Enzyme reactor; Ethanol; Linear and cyclic 214(1988)161

Amperometry; Ion exchange; Acetylcholine; Choline; Enzyme reactor; Lipids 214(1988)173

Spectrophotometry; Iron; Nickel; Doublet peaks 214(1988)197

Spectrophotometry; Amines; Nitrite; Aromatic primary 214 (1988)207

Spectrophotometry; Ion exchange; Copper; Integrated reaction, Unsegmented 214(1988)217

Spectrophotometry; Capillary digestor; Phosphorus; Waters 214(1988)229

Kinetic analysis; Spectrophotometry; Ion exchange; Molybdenum; Plants 214(1988)239

Spectrophotometry; Molasses; Sucrose; Sugar-cane juice 214 (1988)247

Spectrophotometry; Cyanide; Microporous membrane; Thiocyanate 214(1988)259

Spectrophotometry; Catalysts; Dental alloys; Palladium 214 (1988)271

Spectrophotometry; Ion exchange; Geological samples; Preconcentration; Uranium 214(1988)279

Spectrophotometry; Extraction; Potassium; Sodium; Waters; Silica column 214(1988)289

Spectrophotometry; Membrane-separation; Trace organic compounds 214(1988)299

Spectrophotometry; Octanol/water partition coefficients; Dialyzer 214(1988)315

At. abs. spectrometry; Lead preconcentration; Waters; Flame 214(1988)329

At. abs. spectrometry; Calcium; Interference removal; Flame 214(1988)339

Potentiometry; Chlorine; Waters 214(1988)349

Potentiometry; Computerised data-acquisition; Multi-ion sensor cell 214(1988)359

Potentiometry; Ammonia; Hydrazine; pH; Power plant steam cycle 214(1988)367

Cyclic voltammetry; Phenolic compounds; Waters; Derivative 214(1988)375

Mass spectrometry; Arsenic; Chloroform; Sample introduction 214(1988)385

Spectrophotometry; Large-bore systems 214(1988)391

Spectrophotometry; Electrolytic dissolution; Molybdenum; Steels 214(1988)397

Spectrophotometry; Ammonia; Field monitor; Waters 214 (1988)401

Thermom. analysis; Enzyme Reactor; Pyrophosphate; Thermistor 214(1988)409

Amperometry; Enzyme reactor; Glutathione 214(1988)415

At. abs. spectrometry; Biological tissues; Cadmium; Microwave digestion; Zinc 214(1988)421

Chemiluminescence; Sulphur dioxide; Wines; Young white 214(1988)429

Spectrophotometry; Fluoride 214(1988)433

Spectrophotometry; Brine; Calcium; Magnesium; Preconcentration 214(1988)439

Spectrophotometry; Chloride; Detection limit 214(1988)447

Spectrophotometry; Glucose; Plasma 214(1988)455

Anod. stripping voltammetry; Diffl. pulse polarography; Trace metals; Waters; Differential-pulse 215(1988)13

Emission spectrometry; H.p.l.c.; Plasmas; Microliter samples, Peak-shaped input, Inductively-coupled 215(1988)143

At. abs. spectrometry; Cationic surfactants; Extraction; Waters; Indirect, With tetrathiocyanatocobaltate 215(1988)233

At. abs. spectrometry; Anaesthetics; Pharmaceuticals; Indirect, Precipitation 215(1988)241

Spectrophotometry; Membrane reactor; Pulsed reagent introduction 215(1988)277

Potentiometry; Cyanide; Heterogeneous membrane electrodes; Gas diffusion 215(1988)283

At. abs. spectrometry; Extraction; Preconcentration; C-18 bonded silica 216(1989)243

Spectrophotometry; Enzymatic assays; Review 216(1989)257

Multiple peak recordings; Review 216(1989)275

Spectrophotometry; Amperometry; Review; Unstable reagents 216(1989)289

Amperometry; Chemically sterilizable barrier; Fermentor monitoring; Glucose; Oxygen 216(1989)299

Spectrophotometry; Kinetic analysis; High-purity chemicals; Manganese; Catalytic effect 217(1989)23

Spectrophotometry; Perchlorate; With Brilliant Green 217 (1989)177

Spectrophotometry; Permanganate 217(1989)183

Spectrophotometry; Proteins 217(1989)359

Amperometry; Enzyme reactor; Oxalate; Immobilized oxalate oxidase 218(1989)1

Emission spectrometry; Boron; Plasmas; Waters; Inductively coupled 218(1989)69

Spectrophotometry; Body fluids; Urea; Urease reactor 218 (1989)151

Fluorimetry; Enzyme reactor; Isoleucine; Leucine; Valine; Immobilized leucine dehydrogenase 218(1989)161

Amperometry; Bioelectrodes from plant tissue; Dopamine; Dual electrode 218(1989)281

Spectrophotometry; Enzyme reactor; Glucose; Characterization of activity 218(1989)291

Kinetic analysis; Spectrophotometry; Self-modeling curve resolution 218(1989)303

Ion exchange; Potentiometry; Halides 219(1989)55

Kinetic analysis; Lactate dehydrogenase; Serum; Multi-detection, Cyclic system 219(1989)191

Spectrophotometry; Iron; Waters; Wine; Integrated retention 219(1989)231

Spectrophotometry; Fluoride; Waters 219(1989)329

Spectrophotometry; Iron; Waters; Sandwich techniques 219 (1989)345

Kinetic analysis; Liquid chrom.; Computer controlled apparatus; Enzyme reactions; Protein; Stopped-flow 220(1989)13

Kinetic analysis; Gradient chamber; Model for unsegmented 220(1989)23

Spectrophotometry; Dispersion parameters; Prediction 220 (1989)43

Spectrophotometry; Organic solvents; Water traces 220(1989) 55

Spectrophotometry; Cyanide; Thiocyanate 220(1989)65

Voltammetry; Alkali metal ions; Alkaline earth metal ions; Glassy carbon fibres 220(1989)269

Cylindrical cavity-type phase separator; Extraction 220(1989)

Spectrophotometry; Parenteral solutions; Sodium hydrogensulphite 220(1989)281

Potentiometry; Photographic fixers; Silver; Indirect 220(1989) 287

Spectrophotometry; Carboxylic acid; Food; Soil; Citric acid 221(1989)19

At. abs. spectrometry; Iminodiacetate chelate resin; Metal ion; Microcolumn, On-line 221(1989)65

Potentiometry; Octadecyl isonicotinate; Tridodecylamine; Neutral carrier 221(1989)139

Spectrophotometry; Ammonia; Urea 221(1989)173

Spectrophotometry; Controlled-pore glass; Malate dehydrogenase 221(1989)337

Hunt filter; Impulse-response function 222(1989)151

Spectrophotometry; Calcium; Lanthanum 222(1989)205

Spectrophotometry; Fungicide; Malachite green; Manganese ethylenebisdithiocarbamate; Periodate 222(1989)269

Potentiometry; pH; Field effect transistor 222(1989)373

Laminar flow model; Dialysis 224(1989)13

Spectrophotometry; Calcium; Magnesium; Diode-array, Arsenazo 224(1989)23

Amperometry; Fructose; Glucose isomerase; Immobilization 224(1989)31

Gaseous samples; Flow direction 224(1989)127

Fluorimetry; Tyrosinase; Tyrosine; Controlled-pore glass 224 (1989)133

Kinetic analysis; Ferroin; Ion-pair extraction 224(1989)169

Amperometry; Electrocatalysis; Redox gas; Chemically modified electrode 224(1989)305

Kinetic analysis; Antimony; Molybdenum blue 224(1989)373

Kinetic analysis; Chlorine; Oxychlorine 224(1989)383

Potentiometry; Metal cyanide complex; Silver electrode 225 (1989)105

Spectrophotometry; Kinetic analysis; Hydrazine; Phenylhydrazine; Diode-array 225(1989)115

Spectrophotometry; Cobalt; Ethylenebis(triphenylphosphonium) cation; Extraction 225(1989)123

Spectrophotometry; Dichromate; Extraction; Tetramethylenebis(triphenylphosphonium) cation 225(1989)241

Amperometry; Pharmaceutical preparation; Vitamin D 225 (1989)247

Amperometry; Cell cultivation; Enzyme cartridge; Glucose; Lactate 225(1989)253

Liquid chrom.; Enzyme reactor; Modified electrode; Xylulose; Recirculating flow 225(1989)263

Chemiluminescence; Hollow-fibre reactor; Hydroxy bile acid; Serum; Bioluminescence 225(1989)273

Biosensor; Fibre-optic; Fruit juice; Glucose; Wine 225(1989) 293

Ion exchange; Molybdenum; Natural water; Rock 225(1989) 313

Ion exchange; Spectrophotometry; Nitrate 225(1989)331

Liquid chrom.; Fluorimetry; Aluminium; Micelle 225(1989)339

Emission spectrometry; Sulphide; Molecular emission cavity analysis 225(1989)359

Titrimetry; Free acidity; Oil 225(1989)431

Spectrophotometry; Chlorate; Chlorite 225(1989)437

Carbon dioxide; Sulphur dioxide; Wine; Gas-diffusion 225 (1989)443

Spectrophotometry; Bismuth; Tetramethylenebis(triphenylphosphonium) cation 225(1989)449

Dispersion; Volumetric fraction 226(1989)129

Air; Carbon disulphide; Hollow-fibre membrane 226(1989)171

Spectrophotometry; Boron; Soil; Ultrasonic leaching 226 (1989)221

Potentiometry; Gradient chamber 226(1989)229

Potentiometry; Acidity constant; Gradient chamber; Weak acid 226(1989)239

Solvent extraction; Zone sampling 226(1989)255

Chemiluminescence; Fibre-optic; NADH; Sensor; Bioluminescence 226(1989)331

Chemiluminescence; Blood; Creatine kinase; Bioluminescence 227(1989)29

Chemiluminescence; Immunoassay; Acridinium; Immunoglobulin G 227(1989)97

Spectrophotometry; Field monitor; Nitrate; River water 227 (1989)379

Amperometry; Copper 228(1990)117

Spectrophotometry; Sulphate; Water 228(1990)287

Amperometry; Nitrophenol; Paraoxon; Parathion 228(1990) 317

Preconcentration; Porous electrode 228(1990)323

Fluorimetry; Epinephrine; Norepinephrine; Trihydroxyindole; Urine 229(1990)27

Moment analysis; Peak-shape 229(1990)35

Immunoassay; Adenosine deaminase; Protein; Sandwich-type 229(1990)47

Amperometry; Conducting organic salt; Glucose; Sensor; Wall-jet cell 229(1990)83

Spectrophotometry; Multi-component analysis; Nitrophenylhydrazine; Diode-array 229(1990)177

Hydraulic model; Mathematical model; Process analysis 229 (1990)183

Amperometry; Thiol; Nickel oxide electrode 229(1990)191

Kinetic analysis; Spectrophotometry; Iron; Leucomalachite green; Peroxodisulphate 230(1990)113

Spectrophotometry; Aluminium; Xylenol orange; Zinc; Light emitting diode 230(1990)125

Fluorimetry; Fluorescein-labelled albumin; Protease; Fluoromethylpyridinium salt 230(1990)131

Fluorimetry; Fluoride; On-line; Ternary complex; Calcein blue, Zirconium 230(1990)137

Spectrophotometry; Crown ether; Extraction; Lead; Preconcentration 230(1990)157

Coulometry; Uric acid; Urine 230(1990)195

Spectrophotometry; Biosensor; Immobilized enzyme 230 (1990)199

Ore leachate; Uranium 230(1990)217

Conductometry; Waters; Organic pollutants; Titanium dioxide; Film reactor; Immobilized 231(1990)13

Spectrophotometry; pH; Waters; Lake, Dye reagents 231 (1990)21

Ion-sensitive field effect transistor; pH; Ammonium; Waters; Flow-through 231(1990)53

Spectrophotometry; Ethanol; Blood; Enzyme reactor; Dialyser; Immobilized, Alcohol dehydrogenase 231(1990)115

Glutamate; Enzyme reactor; Enzyme electrode; Glutamate oxidase, Immobilized, Hydrogen peroxide 231(1990)121

Spectrophotometry; Biological membranes; Proteins; Peptides; o-Phthaldialdehyde, Post-column reaction, Subcellular particles 231(1990)249

Fluorimetry; Paracetamol 231(1990)259

Phosphorimetry; Sample introduction; Continuous, Solidsurface room-temperature 231(1990)289

Spectrophotometry; Acetyl-coenzyme A; Immobilized, Phosphotransacetylase, CoA-SH, Ellman's reagent 232(1990)281

Spectrophotometry; Rhenium; Extraction; Crown ethers; Potassium perrhenate, Brilliant Green 232(1990)287

Chemiluminescence; Chromium; Flavin mononucleotide; Cationic micellar surfactant modifier, Hydrogen peroxide 232 (1990)385

Amperometry; Penicillin; Pharmaceuticals; Expert system; Enzymatic hydrolysis; Validation program 233(1990)65

Potentiometry; Cyanide; Silver-wire electrode; Gas-diffusion separation; Membrane barrier, Selectivity 233(1990)77

Liquid chrom.; Liquid scintillation counting; Extraction; Amino acids; Reversed-phase, Phenylthiohydantoin derivatives 233(1990)181

Chemiluminescence; Electroluminescent compounds; Polynuclear aromatic hydrocarbons; Micelle-encapsulated, 9,10-Diphenylanthracene, Oxide-covered aluminium electrode 233 (1990)199

Kinetic analysis; Spectrophotometry; Reserpine; Catalysts; Manganese; Continuous-flow analysis, Manganese oxide reactor 233(1990)235

Liquid chrom.; At. abs. spectrometry; Review; Detectors 234 (1989)3

Chromatography; Fibre-optic sensors; Optosensing; Ammonia; Phosphate; Thin-layer detector 234(1990)31

Amperometry; Electrochemical detection; Chemically modified electrodes 234(1989)41

Ion-selective electrodes; Dynamic response characteristics, Theory 234(1990)49

Ion-selective electrodes; Iodide; Dynamic response characteristics, Tubular solid-state 234(1990)57

Mathematical model; Sequential determinations, Sandwich techniques 234(1990)67

Liquid chrom.; Voltammetry; Wall-jet detector; Rapid scan, Convection/diffusion-controlled, Diffusion-controlled 234 (1989)75

Immunoassay; Monoclonal antibodies; Immunoglobulin G; Hybridoma cell fermentation 234(1990)83

Liquid chrom.; Phloroglucinols; Derivative spectroscopy; Photodiode-array detection, Post-column continous-flow analysis, Computer-aided, Kosins 234(1989)89

Gel perm. chromatography; Enzyme reactor; Starch; Glycogen; Amylase; Controlled-pore glass beads, Hydrolysis 234 (1989)97

Lactic acid; Fibre-optic sensors; Biosensors; Dairy fermentation; Kefir culture; Immobilized lactate oxidase 234(1990)107

Enzyme reactor; Pesticides; Waters; Immobilized acetylcholinesterase, Automated enzyme inhibition, Magnetic device 234(1990)113

Liquid chrom.; Spectrophotometry; Mass spectrometry; Extraction; Organic pollutants; Pesticides; Chlorinated phenoxy acids; Waters; On-line continous-flow, Organophosphorus 234(1990)119

Spectrophotometry; Capillary flow cell; Pesticides; Optical fibres 234(1990)141

Spectrophotometry; Schlieren effect; Diode-array, Dual-wavelength 234(1990)153

Voltammetry; Magnesium; Serum; Rapid scan square-wave, Thin-film deaerator, Dropping mercury electrode 234(1990) 161

Spectrophotometry; Amperometry; Potentiometry; Power plants; Process analysis; Water-steam cycles; pH; Ion-selective electrodes; Control parameters 234(1990)167

Spectrophotometry; Boron; Waters; Preconcentration; Azomethine-H complex 234(1990)199

Plasmas; Matrix matching; Waters; Salinity; Inductively coupled, Sodium 234(1990)207

Amperometry; Ethanol; Beverages; Gas-diffusion membrane; Enzyme reactor; Immobilized alcohol dehydrogenase, Hydrogen peroxide 234(1990)213

Potentiometry; Diethylbarbiturate; Tubular electrode; Pharmaceuticals 234(1990)221

Kinetic analysis; Amperometry; Oxalate; Photosensitive compounds; Iron (III) 234(1990)227

Phosphorimetry; Aluminium; Micelle, Water, Dialysis fluid, Ferron chelate 234(1990)233

Organized media; Micellar media; Insoluble systems; Thorium; Uranium; Rare earth elements; 1-(2-Pyridylazo)-2-naphthol, Arsenazo III 234(1990)239

Amperometry; Microorganisms; Microbiological sensor; Fungi; Bacteria; Escherichia coli 234(1990)247

Sample introduction; Variable-volume injector; Calibration 234(1990)253

Cylindrical flow cells; Optical fibres; Cell design theory, Algorithm, Capillary column 234(1990)259

Amperometry; Enzyme electrode; Dopamine; Norepinephrine; Plant tissue-based electrode, Zucchini-based electrode, Ascorbic acid interference elimination 234(1990)315

Amperometry; Enzyme electrode; Glucose; Blood; Mediator 234(1990)321

Fluorimetry; Fluoride; Zirconium-Calcein Blue-fluoride complex, Sensor 234(1990)345

Spectrophotometry; Phosphorus; Waters; Photodiode detector, Simplex reagent optimization, Silicate interference, Molybdophosphate 234(1990)409

At. abs. spectrometry; Methadone; Pharmaceuticals 234 (1990)433

Emission spectrometry; Gasoline; Lubricating oil; Flame 234 (1990)439

Polarography; Nitrate; Waters; Uranyl ion 234(1990)475

Chemiluminescence; Fibre-optic sensor; ATP; NADH; Enzyme system; Polyamide membrane 235(1990)243

Fermentation; Biosensors; Enzyme electrode; Modified graphite electrode, Glucose dehydrogenase, Glucose 235 (1990)265

Spectrophotometry; Kinetic analysis; Manganese; Waters; Stopped-flow method, Gradient calibration 235(1990)323

Spectrophotometry; Lysine; Amino acids; Enzyme reactor 235(1990)329

Spectrophotometry; Computer simulation; Error analysis; Signal processing; Iron(II)-o-phenanthroline, Azo dye 235 (1990)337

Polyphenols; Olive oil; Extraction; Iterative flow direction change 235(1990)441

Enzyme reactor; Paraoxon; Pesticides; Organophosphorus, Continuous-flow, Stopped-flow, Immobilized acetylcholinesterase 236(1990)267

Chromatography; Chemiluminescence; Cobalt; Copper; Iron; Ion chromatography, Cation-exchange column 236(1990)287

Amperometry; Microwave digestion; Phosphorus; Waters 236 (1990)345

At. abs. spectrometry; Chromium; Preconcentration; Poly(hydroxamic acid) resin 236(1990)469

Sugars; Lactic acid; Protein; Biomass; Fermentation; Enzyme reactor; On-line 237(1990)165

Chemiluminescence; Immunoassay; Haptens; Enzyme system; Thyroxine; Horseradish peroxidase, Luminol 237(1990)285

Sequential injection; Process analysis; Sinusoidal flow 237 (1990)329

Pattern recognition; Response surface mapping; Automated optimization; Simplex optimization 237(1990)361

Spectrophotometry; Polyamines; Amine oxidases; Enzyme reactor; Cells; Immobilized, Hydrogen peroxide, Sepharose 237 (1990)391

Amperometry; Glucose; Blood; Enzyme reactor; Chemically modified electrode, Segmented sample injection, On-line dialysis, Haematocrit 237(1990)405

Spectrophotometry; Chemiluminescence; Enzyme reactions; Glucose; Serum; Mimetic peroxidase, Hydrogen peroxide, Luminol 237(1990)497

Spectrophotometry; Urea; Enzyme reactor; Serum; Gas diffusion, Urease 237(1990)503

Spectrophotometry; Sulphite; Brine; Potassium chloride; Process analysis; 5,5'-Dithiobis(2-nitrobenzoic acid) 238(1990)171

Spectrophotometry; Aluminium; Waters; Pyrocatechol violet, Field monitor 238(1990)177

Spectrophotometry; Segmental flow injection; Amino acids, Tea, Ammonia, Waters, Copper, Vanadium 238(1990)183

Phosphorus; Nitrogen; Waters; Process analysis; Waste-water treatment plant, Biological removal 238(1990)191

Biosensors; Field-effect transistors; Glucose; Urea; Penicillin; Cephalosporin C; Process analysis 238(1990)201

Amperometry; Phosphate; Enzyme reactor; Substrate recycling; Co-immobilized purine nucleoside phosphorylase-xanthine oxidase, Co-immobilized purine nucleoside phosphorylase-xanthine oxidase-alkaline phosphatase 238(1990)339

Spectrophotometry; Enzyme reactor; Lactic acid; Glucose; Serum; Sequential determination, Diode-array, Controlled-pore glass, Co-immobilization 238(1990)411

At. abs. spectrometry; Microwave oven digestion; Solid samples; Sewage sludge; Flame, Manifold, Slurries 238(1990)417

Amperometry; Sulphate; Calibration; Indirect determination 238(1990)431

Spectrophotometry; Silicate; Waters; Rhodamine B 239 (1990)151

Liquid chrom.; Extraction; Caffeine; Zidovudine; Beverages; Food; Urine 239(1990)171

Chemiluminescence; Surfactants; Waters; Sea water; Nonidet AT 85, Rhodamine B sensitizer 239(1990)189

Chemiluminescence; Steroids; Cortisone; Corticosterone; Hydrocortisone; Progesterone; Testosterone; Sulphite oxidation, Potassium bromate 239(1990)195

Spectrophotometry; Flow gradient; Unsegmented flow, Concentration gradient, Metal complexes, Acidity constants 239 (1990)211

Spectrophotometry; Potentiometry; Voltammetry; Detectors; Ion-sensitive field effect transistors; Impulse-response functions 239(1990)245

Fluorimetry; Alanine; Enzyme reactor; Serum; Beverages; Immobilized poly(vinyl alcohol) beads 239(1990)307

Raman spectrometry; Spectrophotometry; Dimethyldiphenylbenzidine; Electrolysis; Electrooxidation; Homogeneous solution, Time-resolved 240(1991)329

Spectrophotometry; Calibration; Interferences; Curvature correction, Gradient ratio calibration, Chloride, Phosphate 241 (1990)15

Teniposide; Blood serum; Multivariate calibration 241(1990)23

Optimization; Ammonia; Indophenol blue, Simplex method, Powell method 241(1990)31

Enzyme electrode; Mathematical modelling; Single-line, Kinetics 241(1990)43

Enzyme electrode; Mathematical modelling; Single-line, Simulation 241(1990)55

Conductimetry/oscillometry; Organohalogens; Combustion; Preconcentration; Air 241(1990)71

Diode-array detection; Nickel; Zinc; Pyridylazonaphthol 241 (1990)153

Chromatography; Ion exchange; Potentiometry; Ion-selective electrodes; Calcium 242(1991)65

Amperometry; Glucose; Foods; Soft drinks; Enzyme electrodes; Hydrogen peroxide, Membrane 242(1991)91

Spectrophotometry; Arylamines; Sulphonamides; Diazotization, Coupling, Micellar medium 242(1991)143

Kinetic analysis; Spectrophotometry; Fluorimetry; Review; Stopped-flow technique 242(1991)147

Kinetic analysis; Oxalate; Urine; Enzyme reactor; Double stopped flow 242(1991)179

Cyclic voltammetry; Diffl. pulse voltammetry; Plant tissuevitreous carbon electrodes; Biosensors; Mushroom, Potato, Horseradish 242(1991)259

Solid samples; Sample introduction; Ultrasonic irradiation; Iron; Plant materials; Direct introduction, Leaching 242 (1991)283

Amperometry; Hydrogen ion; Hydroxyl ion; Ion-selective electrodes; Plasticised PVC membrane electrode 243(1991)55

Amperometry; Chemically modified electrodes; Carbohydrates; Nickel, Glassy carbon 243(1991)61

At. abs. spectrometry; Copper; Aluminium alloys; Electrolytic dissolution 243(1991)65

Chemiluminescence; Vitamin B₁₂; Luminol, Hydrogen peroxide, Cobalt 243(1991)127

Electron-capture detection; PTFE tape separator; PTFE tubing separator; Two-phase separation, Free chlorine 243(1991) 131

Fluorimetry; Fructose; Enzyme reactor; Mannitol dehydrogenase 243(1991)183

Spectrophotometry; Ascorbic acid; Vitamin C tablets 243 (1991)187

Fluorimetry; Hydrogen peroxide; Photoinduced fluorogenic reactions; 4-Hydroxyphenylacetic acid 243(1991)207

At. abs. spectrometry; Catalysts; Mercury; Copper salts, Cadmium salts, Continuous microflow, Cold vapour 243(1991)247

Potentiometry; Organic compounds; Nickel oxide electrode 243(1991)279

Fluorimetry; Diquat; Herbicides 244(1991)99

Fluorimetry; Mannitol; Immobilized mannitol dehydrogenase, Poly(vinyl alcohol) beads 244(1991)105

Spectrophotometry; Sulphate; Waters; In-line preconcentration, Anion-exchange resin, Methylthymol blue-barium complexation 244(1991)109

Amperometry; Cyclic voltammetry; Liquid chrom.; Carbohydrates; Amino acids; Constant-potential amperometric detection, Metallic electrodes 244(1991)169

Immunoglobulin G; Affinity chromatography; Mouse IgG 245(1991)1

At. abs. spectrometry; Gold; Ores; Preconcentration; Amberlite XAD-8 resin 245(1991)7

Fluorimetry; Nitrogen compounds; Creatinine; Ammonia; Enzyme reactor; Serum, Amino acids 245(1991)89

Fluorimetry; Reserpine; Photochemical derivatization; Pharmaceutical formulations 245(1991)101

Spectrophotometry; Chloride; Bromide; Waters; Mercury(II) and silver thiocyanate minicolumns 245(1991)115

Ion exchange; Biosensors; Glucose sensors; Poly(ester-sulfonic acid) coatings 245(1991)139

Voltammetry; Ion-sensitive field-effect transistors; Potassium; Serum; Urine; Wall-jet cell, Silicone-rubber membrane 245 (1991)159

Conductimetry/oscillometry; Gas diffusion; Nitrogen; Waters; Ammonia, Nitrate, Nitrite 245(1991)183

Alloys; Plasmas; Stainless steels; Inductively coupled, Multielemental analysis, Flow-through electrolytic cell 245(1991)211

Copper; Extraction; Segmenter; Continuous flow, Dual channel 245(1991)251

Molecular weight sensing; Polyethylene glycol; Refractive index gradient detection 246(1991)241

Chromatography; Ion exchange; Cyclic voltammetry; Alkaline earth metal ions; Alkali metal ions; Polyaniline-Nafion electrode 246(1991)275

Amperometry; Biosensors; Enzyme electrodes; Glucose; Glucose dehydrogenase, Benzene-1,4-dicarboxamide N,N-bis(benzophenoxazinyl) derivative 246(1991)283

Cyclic voltammetry; Amperometry; Glassy carbon electrodes; Microelectrode arrays; TTF-TCNQ, Hydroquinone, Dopamine, Ascorbic acid 246(1991)315

Radiometric detectors; Dispersion 246(1991)325

Radiometric detection; Radiorelease; Vanadium; Radiosilver release 246(1991)329

Spectrophotometry; Dyes; Surfactants; Quaternary ammonium, Sodium dodecyl sulphate 246(1991)333

Amperometry; Diffusion coefficient 246(1991)341

Chemiluminescence; Amines; Amino acids; Fenton's reagent; Schiff bases; Phenylacetaldehyde, Sodium bis(2-ethylhex-yl)sulphosuccinate reversed micellar solution 247(1991)27

Spectrophotometry; Chemiluminescence; Biomass; Fermentation; Glucose; Lactic acid; Lactate; Gradient dilution, Hydrogen peroxide 247(1991)45

Laminar dispersion; Mathematical modelling; Parallel plate laminar flow; Convective-diffusion equation, Peclet number, Concentration distribution 247(1991)51

Spectrophotometry; Enzyme reactor; Malic acid; Wines; Stopped-flow, Malate dehydrogenase, Malolactic fermentation 247(1991)61

Extraction; Phase separator; Coaxial, On-line, Benzyl alcohol, Carbon tetrachloride 247(1991)67

Amperometry; Iodide; Pneumatoamperometric detetion, Oxidation, Permanganate auxiliary oxidant 247(1991)73

Liquid chrom.; Cyclic voltammetry; Amperometry; Carbohydrates; Sugars; Nickel-catalysed glassy carbon electrode 248 (1991)117

Auto-by-cross correlation; Photoionization spectroscopy; Signal processing; Transient signals; Transient photocurrent, Laser-excited photoionization 248(1991)195

Fluorimetry; Spectrophotometry; Iodate; Iodide; Cerium(IV) catalytic reduction, *p*-Aminophenol colour reaction 248 (1991)219

Emission spectrom.; Plasmas; Preconcentration; Sea water; Trace metals; Urine; Waters; Inductively coupled, Chelating resin 248(1991)241

Flow cells; Ion-selective field-effect transistors; Wall jet cell, Flow-through cell, ISFET, CHEMFET 248(1991)307

Amperometry; Enzyme reactor; Nicotinamide coenzymes; Immobilized, Amplification, Substrate recycling, Hydrogen peroxide 248(1991)345

Fluorimetry; Biosensors; Fibre-optic sensor; Foods; Glutamate; Pharmaceuticals; Oxygen optrode, Carbon dioxide optrode 248(1991)351

Fluorimetry; Cell permeabilization; Formate dehydrogenase activity; Intracellular enzyme activity; Yeast cells; *Candida boidinii* 248(1991)371

Amperometry; Air; Alcohols; Enzyme reactor; Gas detection; Hydrogen peroxide; Sulphur dioxide; Continuous monitoring, Platinum electrode 248(1991)379

Amperometry; Potentiometry; Air; Chlorine; Gas detection; Hydrogen chloride; Continuous monitoring 248(1991)391

Spectrophotometry; Extraction; Partition coefficients; Octan-1-ol-water 248(1991)493

Fluorimetry; Biosensors; Fermentation; Field-effect transistors; Process analysis; Thermistors; Ethanol, Mannitol, Penicillin, Urea, Sugars 249(1991)25

Spectrophotometry; Bioprocess monitoring; Fermentation; Glucose ammonia proteins; Process analysis; Diode-array, Stopped-flow 249(1991)77

Liquid chrom.; Fermentation; Process monitoring 249(1991)87

Spectrophotometry; Acetate; Fermentation; Phosphate; Process analysis; E. coli 249(1991)101

Turbidimetry; Bioprocess monitoring; Fermentation; Process analysis; Proteins; Pullulanase isoenzymes, Monoclonal antibodies 249(1991)113

Bioreactors; Fermentation; Membrane modules; Penicillin fermentation; Process monitoring; Ammonium, Glucose 249 (1991)123

Spectrophotometry; Fluorimetry; Ethanol; Fermentation; Foods; Fruit juices; Glucose; Process analysis; Pullulan; Sucrose; Microorganism filtration unit, Baker's yeast 249(1991) 137

Spectrophotometry; Aldehydes; Enzyme reactor; Immobilized yeast aldehyde dehydrogenase, Controlled-pore glass 249 (1991)145

Chemiluminescence; DNA; Enzyme reactor; Biotinylated glucose oxidase-labelled DNA probes, Hydrogen peroxide 249 (1991)155

Immunoassay; Bioreactors; Enzyme-linked immunosorbent assay; Process monitoring 249(1991)163

Amperometry; Enzyme reactor; Glucose; Double injection, Oxygen-permeable reaction coil, Stopped-flow 249(1991)451

Fluorimetry; Liquid chrom.; Bile acids; Enzyme reactor; Serum; 3α -Hydroxysteroid dehydrogenase oxidation catalyst, NAD⁺ coenzyme 249(1991)461

Chemiluminescence; Manganese; Sea water; Waters; δ -Hydroxyquinoline concentration, 7,7,8,8-Tetracyanoquinodimethane 249(1991)469

Spectrophotometry; Turbidimetry; Plant materials; Sulphur; Waters; Two-line manifold 249(1991)479

Amperometry; Voltammetry; Nafion-coated electrodes; Pharmaceuticals; Promethazine; Cations 249(1991)489

Fluorimetry; Spectrophotometry; Raman spectrometry; I.r. spectrometry; Mass spectrometry; Molecular spectroscopic detection; Sample introduction 250(1991)157

Amperometry; Biosensors; Chemically modified electrodes; Enzyme reactor; Immobilized, Selective detection 250(1991) 203

Fluorimetry

Flow system; Micellar-catalyzed reaction; Pyridoxal 201(1987) 67

Blood; Triethylenethiophosphoramide 201(1987)77

H.p.l.c.; Flavins; Waters; Solid-phase ion-pair extraction 201 (1987)127

Plasma; Salicylate 201(1987)335

Flow system; Spectrophotometry; Europium; On-line reduction 201(1987)339

Flow system; Blood; Enzyme reactor; Lactate; Immobilized 201(1987)351

Lubricating oils; Waters; Zinc 202(1987)207

Extraction; Lithium; 14-Crown-4-derivative 203(1987)85

Flow system; Amines; Secondary, Non-aqueous 204(1988)343

Fibre-optic sensor; Oxygen; Decay time 205(1988)1

H.p.l.c.; Amino acids; Tryptophan; Photochemical reactor 205(1988)7

H.p.l.c.; Amino acids; Carboxylic acids; Peptides; Laser-induced, Selective derivatization 205(1988)15

H.p.l.c.; Disulphides; Rat tissues; Thiols; Pre-column derivatization 205(1988)29

H.p.l.c.; Thiol-bimane derivatives; Reversed-phase 205(1988) 43

Flow system; Intracerebral dialysis; Lactic acid; Rat brains; Enzymatic 205(1988)53

Biomembranes; Lindane; Quenching 205(1988)61

Adriamycin; Binding; Cisplatin; Tumorigenic cells; Terbium luminescence 205(1988)77

Bacterial peptidoglycan degradation; Lysozyme activities; Enzymatic synthesis 205(1988)89

Enzyme activities; Plasma; Microlitre volumes 205(1988)97

DNA; Quinolizinium salts 205(1988)105

Micellar media; Quinolizinium salts 205(1988)117

Micellar media; Styryl derivatives of quinolizinium salts; Solvatochromic effect 205(1988)129

Micellar media; Pharmaceuticals; Procaine; Solvent, Synchronous 205(1988)139

Indole-type auxins; Three-dimensional, Synchronous, Derivatization 205(1988)149

Calmodulin; Förster energy transfer; Protein dynamics; Transferrin 205(1988)161

Flow system; Amino acids; Bioluminescence; Enzyme reactor; Serum; Urine; Branched-chain 205(1988)229

Immunoassay; Hepatitis B surface antigen 205(1988)239

Chloroquine; Extraction; Plasma 206(1988)339

Selenium; Sulphur sample 206(1988)345

Anionic surfactants; Extraction; Waters; Ion-pair 206(1988)351

Aldose reductase; Tissue samples 206(1988)357

Electroluminescence; Trace organic fluorescent compounds; Oxide-covered aluminium electrode 207(1988)195

Guanine; Nucleotides, Nucleosides 207(1988)243

Pyrene; Ternary cyclodextrin complexes 207(1988)251

Micelles; Review; Reversed 208(1988)1

Air; Fibre-optic sensor; Sulphur dioxide 208(1988)53

Catecholamines; 1,2-Diarylethylenediamines 208(1988)59

Electroluminescence; Hydrogen peroxide; Cathodic, Terbium(III)-doped oxide-covered tantalum electrode 208(1988)69

Spectrophotometry; Ammonium; Urine; Gas-diffusion membrane, pH indicator 208(1988)81

H.p.l.c.; Carbon black extract; Polynuclear aromatic hydrocarbons; Shpol'skii effect 208(1988)183

H.p.l.c.; Proteins; Serum; Time-resolved laser 208(1988)255

Semiconductor laser; Xanthine; Xanthine oxidase; Near-in-frared 208(1988)325

Electroluminescence; Europium; Cathodic, Oxide-coated aluminium electrode 209(1988)165

Calcium; Serum 209(1988)303

Coumarin; Optical-fibre sensor; Near-infrared semiconductor laser; Second-harmonic emission 209(1988)327

H.p.l.c.; Methoxypsoralen 211(1988)333

H.p.l.c.; Alkylamines; Post-column derivatization 212(1988)155

Oxygen sensor; Energy transfer-based optical 212(1988)261

Calcium; Fibre-optic sensor 212(1988)267

Dysprosium; Enhancement by alkaline earth metal ions 212 (1988)285

Fermentation; Microorganisms; Immobilized 213(1988)47

Flow system; Fermentation; Phenylalanine 213(1988)55

Potentiometry; Voltammetry; Flow system; Bioreactors; Yeasts; High-performance, On-line sensors 213(1988)199

Flow system; Kinetics of analytical bioreactor 213(1988)245

Flow system; Conductometry; Spectrophotometry; Potentiometry; Automated micro batch analyser; Microcomputer control 214(1988)107

Flow system; Spectrophotometry; Enzyme reactor; Ethanol; Linear and cyclic 214(1988)161

Naphthyl phenyloxazole; Optical multiplexing; Two-photon excited, Fibre-optic star coupler 215(1988)203

H.p.l.c.; Aromatic aldehydes; 1,2-Diamino-4,5-ethylenedioxybenzene reagent 215(1988)259

Dicarbonyl compounds; 1,2-Diamino-4,5-methylenedioxybenzene reagent 215(1988)267

Dysprosium; EDTA/Tiron/surfactant 215(1988)331

Anthracene; Benzocarbazole; Solvent effect, Synchronous 215(1988)347

Potentiometry; Calcium-selective optrode; Langmuir-Blodgett film 217(1989)1

H.p.l.c.; Chemiluminescence; Aminocoumarins 217(1989)11

Fibre-optic chemical sensor; Pressurized membrane indicator 217(1989)249

Reducing carbohydrates 217(1989)263

Zinc 217(1989)363

Protein traces; Terbium chelate label 218(1989)143

Flow system; Enzyme reactor; Isoleucine; Leucine; Valine; Immobilized leucine dehydrogenase 218(1989)161

Gallium; Synchronous derivative 218(1989)167

Europium; Samarium; Laser-excited, Time-resolved, Labelling of biomolecules 219(1989)67

Silica; Uranium; Time-resolved laser 219(1989)181

Carbon dioxide; Fibre-optic sensor 219(1989)223

Fluoride; Optical-fibre sensor 220(1989)75

Lectin; Umbelliferyl sugars; Quenching 220(1989)225

Lanthanide ions; Laser-induced, Time-resolved 220(1989)235

Reflectance spectrometry; Fibre optic; In situ; Poly(vinyl chloride); Sensor; Trinitrotoluene 221(1989)1

Liquid chrom.; Methylglyoxal; Mouse blood 221(1989)163

Biosensor; Glucose; Glucose oxidase 221(1989)195

Pattern recognition; Gas chromatography; Mass spectrometry; Oil-spill identification 222(1989)135

Liquid chrom.; Boronic acid derivative; Brassinosteroid 222 (1989)201

Chinese hamster; Fluoronitro benzoxadiazole; Ovary cell; Phthalaldehyde 223(1989)299

Liquid chrom.; Amine; Dihydrodimethoxymethyloxoquinoxalinecarbonyl chloride 223(1989)319

Flow system; Tyrosinase; Tyrosine; Controlled-pore glass 224 (1989)133

Thorium; Salicylaldehyde carbohydrazone 224(1989)153

Kinetic analysis; Standard addition 224(1989)225

Fibre optic; Photodiode array 224(1989)235

Kinetic analysis; Alizarin garnet R; Aluminum 224(1989)363

Flow system; Liquid chrom.; Aluminium; Micelle 225(1989)339

Blood; Cyanide; Urine; Taurine, Naphthalenedialdehyde 225 (1989)351

Liquid chrom.; Acetylcarbethoxycysteine; Urine 226(1989)109

Immunoassay; (Microspot) 227(1989)73

Immunoassay; Estrogen; Laser 227(1989)129

Immunoassay; Biosensor; Fibre-optic; Phenytoin 227(1989)135

Phosphorimetry; Coumarinsulphonyl chloride; Synthesis 227 (1989)145

T.l.c.; Phosphorimetry; Amino acid; Coumarinsulphonyl chloride; Ion-pair 227(1989)155

Hydrolysis; Methoxyquinoline; Photo-excitation; Ethanol 227 (1980)165

Liquid chrom.; Argon-ion laser; Polynuclear aromatic hydrocarbon 227(1989)173

Indole; Lanthanide; Quenching 227(1989)181

Liquid chrom.; Adenine derivative; Chloroacetaldehyde; Chlorofluorobenzyladenine; Plasma 227(1989)189

T.l.c.; Blood; Glutathione 227(1989)203

Blood serum; Calcein blue; Magnesium 227(1989)211

Food; Micelle; Zinc 227(1989)219

Microscopy; Mitochondrial membrane; Yeast 227(1989)227

Densitometry; Photomicrography; Tissue 227(1989)235

Tissue 227(1989)243

Platelet antibodies; Standardization 227(1989)251

Chemiluminescence; Tissue; Charge coupled device 227 (1989)257

Diethylaniline; Exciplex; Indole; Liposome; Pyrene 227(1989)

Cell; Metabolism; Methylumbelliferylxyloside 227(1989)273

Immunoassay; Amphetamine; Methamphetamine; Urine; Polarization 227(1989)287

Multipass cuvette; Rhodamine-B 227(1989)291

Cyclodextrin; Retinal complex; Room temperature 227(1989) 297

Alkyl lysophospholipid; Diphenylhexatriene 227(1989)303

Aminochlorobenzophenone; Chlordiazepoxide hydrochloride 227(1989)309

Benzodiazepine 227(1989)311

Benzodiazepine; Tofisopam 227(1989)315

Mefloquine; Photochemical reaction; Antimalarial 227(1989) 325

Ammonia; Biosensor; Fibre-optic; Urea 227(1989)387

Liquid chrom.; Brassinosteroid; Dansylaminophenylboronate 228(1990)101

Radiometry; Aminosilane; Protein; Thermally pretreated glass 228(1990)107

Carbaryl; Fuberidazol; Pesticide mixture; Warfarin; Variableangle scanning 228(1990)293

Liquid chrom.; Cyanoisoindole; Steroidal primary alcohols 228(1990)307

Liquid chrom.; Amino acid; Fibre optic; Laser-induced 229 (1990)3

Flow system; Epinephrine; Norepinephrine; Trihydroxyindole; Urine 229(1990)27

Immunoassay; Sensor; Immobilization, Fibre optic 229(1990) 169

Electrophoresis; Polynuclear aromatic hydrocarbon 229(1990) 295

Flow system; Fluorescein-labelled albumin; Protease; Fluoromethylpyridinium salt 230(1990)131

Flow system; Fluoride; On-line; Ternary complex; Calcein blue, Zirconium 230(1990)137

Quenching; Skatole; Pyridine 230(1990)213

Terbium; Samarium; Europium; Hexafluoroacetylacetone-trioctylphosphine oxide-Triton X-100 231(1990)157

Gas sensor; Ammonia; Serum; Fibre-optic sensor; Fluoresceins 231(1990)231

Flow system; Paracetamol 231(1990)259

Diphacinone; Europium; Yttrium; Rare earth oxides; Fluorescence enhancement, Ammonia 231(1990)295

Spectrophotometry; I.r. spectrometry; N.m.r. spectrometry; Fulvic acids; Laurentian, Colour origin 232(1990)43

Fulvic acids; Paramagnetic metal ions 232(1990)77

Polynuclear aromatic hydrocarbons; Shpol'skii technique; Mussels; Terns; Biological samples 232(1990)245

Fluorescein; Dichlorofluorescein; Variable-angle spectrometer, Simultaneous determination 233(1990)159

Shpol'skii technique; Polynuclear aromatic hydrocarbons; Computerized data acquisition and processing 233(1990)207

Kinetic analysis; Hydrogen peroxide; Glucose; Homovanillic acid; Peroxidase-like catalysed oxidation; Manganese tetrakis (sulphophenyl)porphyrin-catalysed oxidation 233(1990)299

Gas chromatography; Nitrobenzene; Cyclohexanone; Naphthalene vapour, Indirect fluorescence detection, Quenching constants 233(1990)303

Liquid chrom.; Glyphosate; Aminomethylphosphonic acid; Pesticides; Waters; Post-column fluorogenic labelling 233 (1990)311

Aluminium; Surfactant vesicles; Quinolin-8-ol-5-sulphonic acid; Water, Dialysis fluid 234(1990)181

Liquid chrom.; Phthalaldehyde; Fluorescamine; Triton; Cyclodextrin; Pharmaceuticals 234(1990)187

Liquid chrom.; Polycyclic aromatic hydrocarbons; Waters; Air; Reversed-phase 234(1990)269

Flow system; Fluoride; Zirconium-Calcein Blue-fluoride complex, Sensor 234(1990)345

Aza-aromatics; Trifluoroethanol; Hydrogen-bonding solvent, Fluorescence enhancement 234(1990)353

Enzyme reaction; Phenol sulphotransferase; Hydroxybenzaldehyde substrate, Dexamethasone 234(1990)359

Immunoassay; Biosensors; Fibre-optic sensor; Benzo[a]pyrene tetraol; Laser excitation 236(1990)237

Amylase; Fluorescence energy transfer, Double-labelled soluble starch, Fluorescein, Procion Red 236(1990)251

Carbazole; Anthracene; Anthraquinones; Zone melting; Biphenyl medium, Synchronous 236(1990)505

Enzyme reactions; Lipid membrane; Transduction; Fluorescence microscopy; Nitrobenzoxadiazolephosphatidylethanolamine fluorophore, Acetylcholinesterase, Acetylcholine substrate 237(1990)253

Waters; Nitro compounds; Explosives; Trinitrotoluene; Dinitrotoluene; Hexahydrotrinitrotriazine; In situ optical detection, Fluorescence quenching 237(1990)265

Fiber-optic sensor; Cyclodextrin; Immobilized, Inclusion complex, Anilinonaphthalene sulphonates 237(1990)485

Uranium; Waters; Geological samples; Time-resolved laser-induced, Complexing media, Mineral phase 238(1990)291

Chemiluminescence; Phosphorimetry; Aluminium; Milk powder; Liquid room temperature, Ferron, Vesicles 238(1990)297

Europium; Fluorescence enhancement; Terbium, Phenanthroline, Benzoylacetone 238(1990)307

Fibre-optic sensor; Immune reactions; Antigens, Antibodies, Evanescent wave detection, Skew rays 238(1990)317

Waters; Sea water; Polycyclic aromatic hydrocarbons; Pulsedlaser, fibre-optic-based system, Decay times, Time-resolved 239(1990)45

Flow system; Alanine; Enzyme reactor; Serum; Beverages; Immobilized poly(vinyl alcohol) beads 239(1990)307

Flow system; Kinetic analysis; Spectrophotometry; Review; Stopped-flow technique 242(1991)147

Kinetic analysis; Ascorbic acid; Vitamin pills; Fruit juice; o-Phenylenediamine 243(1991)89

Liquid chrom.; Solubilization; Benzo[a]pyrene; Polynuclear aromatic hydrocarbons; Coal washing water 243(1991)115

Aluminium; Waters; Eriochrome Red B, Hexamethylenetetramine 243(1991)121

Flow system; Fructose; Enzyme reactor; Mannitol dehydrogenase 243(1991)183

Flow system; Hydrogen peroxide; Photoinduced fluorogenic reactions; 4-Hydroxyphenylacetic acid 243(1991)207

Flow system; Diquat; Herbicides 244(1991)99

Flow system; Mannitol; Immobilized mannitol dehydrogenase, Poly(vinyl alcohol) beads 244(1991)105

Kinetic analysis; DNA hybridization kinetics; Fluorescence polarization; Labelled oligonucleotides, Mismatches 244 (1991)207

Flow system; Nitrogen compounds; Creatinine; Ammonia; Enzyme reactor; Serum, Amino acids 245(1991)89

Flow system; Reserpine; Photochemical derivatization; Pharmaceutical formulations 245(1991)101

Europium; Samarium; Rare earth elements; Fluorescence enhancement, Gadolinium, Dibenzoylmethane-diethylamine 245(1991)109

Amines; 2,3-Diphenylquinolizinium bromide 245(1991)217

Fibre-optic sensor; Immunosensors; Haptens; $F_{(ab')}$ antibody fragments 246(1991)55

Europium; Minerals; Rare earth minerals; Gadolinium fluorescence enhancer 247(1991)37

Tryptophan; Phenylglyoxal, Fluorogenic reagent 248(1991)213

Flow system; Spectrophotometry; Iodate; Iodide; Cerium(IV) catalytic reduction, *p*-Aminophenol colour reaction 248 (1991)219

Flow system; Biosensors; Fibre-optic sensor; Foods; Glutamate; Pharmaceuticals; Oxygen optrode, Carbon dioxide optrode 248(1991)351

Liquid chrom.; Enzyme reactor; Sorbitol dehydrogenase 248 (1991)367

Flow system; Cell permeabilization; Formate dehydrogenase activity; Intracellular enzyme activity; Yeast cells; *Candida boidinii* 248(1991)371

Nucleic acids; Terbium; Phenanthroline, DNA, RNA 248 (1991)589

Flow system; Biosensors; Fermentation; Field-effect transistors; Process analysis; Thermistors; Ethanol, Mannitol, Penicillin, Urea, Sugars 249(1991)25

Flow system; Spectrophotometry; Ethanol; Fermentation; Foods; Fruit juices; Glucose; Process analysis; Pullulan; Sucrose; Microorganism filtration unit, Baker's yeast 249(1991) 137

Liquid chrom.; Alkaloids; Benzophenanthridine; Papaveraceae 249(1991)231

Bacterial cultures; Fermentation; Mathematical models; Physiological state; Process analysis; *Clostridium acetobutylicum*, NADH fluoresence 249(1991)279

Fibre-optic sensor; Polymer swelling; Salt concentrations; Optical displacement, Sulphonated dextran, Sulphonated polystyrene 249(1991)373

Flow system; Liquid chrom.; Bile acids; Enzyme reactor; Serum; 3α -Hydroxysteroid dehydrogenase oxidation catalyst, NAD⁺ coenzyme 249(1991)461

Flow system; Spectrophotometry; Raman spectrometry; I.r. spectrometry; Mass spectrometry; Molecular spectroscopic detection; Sample introduction 250(1991)157

G

Gas chromatography

Petroleum fractions; Precalculation of optimum column temperature 201(1987)207

H.p.l.c.; Isoalkanes; Retention indices; General model 201 (1987)217

Hydrogen; Pyrolysis, Solid samples 202(1987)251

Mass spectrometry; Petroleum hydrocarbons; Solid-phase extraction cartridges 204(1988)135

Mass spectrometry; Trichothecenes; Heptafluorobutyrate esters, Negative-ion chemical ionization, Tandem 204(1988)233

At. fluor. spectrometry; Air; Mercury species; Cold-vapour 208(1988)151

Mass spectrometry; Extraction; Pendimethaline; Waters 208 (1988)331

Camomile extract; Component number; Capillary, Statistical estimation 212(1988)165

Alkylbenzenes; Structure retention relationship 212(1988)317

Fermentation broths; Volatile metabolites 213(1988)11

Potentiometry; Voltammetry; Microbial reaction rates; Sediment suspensions; Apparatus 213(1988)221

Acetaldehyde; Ethyl acetate; Fermentation; Fusel alcohols; Gas-permeable membrane; Alcoholic fed-batch 213(1988)231

Column dead time; Capillary 215(1988)311

H.p.l.c.; T.l.c.; Review; Supercritical-fluid 216(1989)109

Conductometry; Alkanes; Hydrogen; Semiconductor gas sensors; Simplex optimization 216(1989)147

Carbon dioxide; Carbon monoxide; Methane; Temperature programmed decomposition 217(1989)197

Annular denuder tube; Nitrobenzene; Nitrogen atmospheres; Electron-capture detection 217(1989)289

Mass spectrometry; T.l.c.; Pattern recognition; Spatial resolution; Secondary ion, Phase-transition matrix 218(1989)217

Spectrophotometry; H.p.l.c.; Tetraalkylammonium sulphonates 218(1989)241

Polystyrene; Styrene monomer; Toluene solvent, Headspace 218(1989)345

H.p.l.c.; Mass spectrometry; Resolution of overlapping peaks; Statistical and empirical functions 219(1989)257

Mass spectrometry; Air; Diesel particulate; Polynuclear aromatic hydrocarbon; Nitrated polynuclear aromatic hydrocarbon 221(1989)53

Methylmercury; Natural waters; Preconcentration 221(1989) 259

Principal components; Dinoflagellate toxin; Mussel 222(1989) 35

Alkylsilane; Blood serum; Fluoride 222(1989)121

Pattern recognition; Fluorimetry; Mass spectrometry; Oil-spill identification 222(1989)135

Alkylbenzenes; (Retention data, Physical property, Topological property) 223(1989)161

Barium sulphophthalocyanines; Cobalt phthalocyanine; Polycyclic aromatic hydrocarbon; Adsorption, Thermal desorption 224(1989)1

Mass spectrometry; Isotope ratio; Metal chelates 224(1989)83

Apolane-87; Reference phase; Squalane 225(1989)193

Opto-acoustic spectroscopy; Hydrocarbon; Mercury 226 (1989)99

Simultaneous distillation-extraction; Volatile component, Natural product 226(1989)183

Mass spectrometry; Atrazine; Herbicides; Water; Ion-trap 228(1990)69

At. abs. spectrometry; Alkyllead; Grass; Speciation; Tree leaves 228(1990)77

Emission spectrometry; Biological sample; Methylmercury; Headspace, Microwave-induced plasma 228(1990)93

Aminomethylphosphonic acid; Glyphosate; Herbicide; Nitrogen-phosphorus detector 229(1990)277

Ethylene; Fruits; Field effect transistor; Semiconductors 231 (1990)93

Dye adsorption; Methyl red; Sterchamol; Retention mechanism 232(1990)413

Plasmas; Solvent venting interface; Microwave-induced 233 (1990)149

Fluorimetry; Nitrobenzene; Cyclohexanone; Naphthalene vapour, Indirect fluorescence detection, Quenching constants 233(1990)303

Enantiomers; Cyclodextrins; Chiral stationary phase 234 (1990)365

Methylmercury; Waters; Sea water; Plasmas; Microwave-induced plasma detection, Headspace, Dithiocarbamate resin preconcentration, Speciation 234(1990)417

Mass spectrometry; Biomarkers; Hopanes; Petroleum; Triterpanes; Crude oil 235(1990)375

Extraction; Pharmaceuticals; Urine; Drugs of abuse, Column lifetime and performance, Fused-silica capillary columns 236 (1990)115

Liquid chrom.; Organic acids; Biological fluids; Serum; Urine; Extraction 236(1990)121

Mass spectrometry; Extraction; Waters; Herbicides; Solidphase extraction, Well water 236(1990)141

Liquid chrom.; Extraction; Waters; Solid-phase extraction, Membrane, Filtration, Pesticides, Polychlorinated biphenyls, Phthalates 236(1990)157

Liquid chrom.; Mass spectrometry; Pesticides; Pyrimidinol; Corn 236(1990)173

Arson; Fires; Sample preparation, Headspace analysis, Liquid-liquid extraction, Adsorption/elution, Distillation 236 (1990)183

Tobacco smoke; Cigarettes; Alkanes, Hydrocarbons, Particulate matter 236(1990)213

Sample preparation; Insects; Pheromones; Capillaries, Micro-reactor 236(1990)227

Review; Waters; Trace organic compounds; Preconcentration; Liquid-liquid extraction, Solid sorbents, Headspace techniques, Gas extraction, Volatile compounds 237(1990)1

Mass spectrometry; Chloramphenicol; Urine; Eggs; Biological materials; Residues, Radioimmunoassay, Enzyme immunoassay 237(1990)61

Carboxylic acids; Waters; Nitrogen-selective detection, 2-Nitrophenylhydrazides 237(1990)215

Polycyclic aromatic hydrocarbons; Soils; Spiking procedure, 2-Methoxyethanol extraction 237(1990)451

Liquid chrom.; Process analysis; Deferred standard 238(1990) 17

Process analysis; Deferred standard technique 238(1990)129

Concentration profile measurements; Distillation column control; Process analysis; Parameter estimation, Water-methanol-isopropanol 238(1990)139

Process analysis; Petroleum reforming; Octane number 238 (1990)149

Nitrogen; Nuclear fuels; Uranium nitride; Plutonium nitride; Oxidation, Glove-box 239(1990)107

Isocitric acid; Malic acid; Citric acid; Fruit juice; Lemon juice; Adulteration, Acyl esters 239(1990)165

Correlation chromatography; Headspace analysis; Ethylenepropylene copolymer; Peak resolution 239(1990)317

I.r. spectrometry; Environmental samples; Pesticides; Polynuclear aromatic hydrocarbons; Fourier transform, Low temperature 240(1990)205

I.r. spectrometry; Absorption coefficients; Vapour phase 240 (1990)223

Mass spectrometry; Chlorotriazine pesticides; Organophosphorus pesticides; Pesticides; Soils 243(1991)259

Pattern recognition; Liquor aromas; Headspace concentration; Gas sensor array; Semiconductor 243(1991)293

Mass spectrometry; Water; Pesticides; 2,2-Dimethoxypropane 244(1991)9

Extraction; Fats; Lipids; Oils; Pesticides; Organophosphorus pesticides; Solid-phase extraction cartridges 245(1991)259

Tetrabutylammonium alkylsulfonates; Anion chain length, Partition coefficients 246(1991)171

Mass spectrometry; Kinetic analysis; Polynuclear aromatic hydrocarbons; Halogenated hydrocarbons; Chemical ionization, Fourier transform ion cyclotron resonance 246(1991)199

At. abs. spectrometry; Hydride generation; Tributyltin oxide; Urine; Wood preservatives 246(1991)351

Mass spectrometry; Pattern recognition; Expert system; Low-resolution mass spectra; Volatile organic compounds; MAX-MASS 246(1991)391

Mass spectrometry; Foods; Honey; Pentachlorophenol; Sep-Pak extraction 247(1991)121

Mass spectrometry; Dimethyladenosine; Urine 247(1991)201

Mass spectrometry; Formebolone metabolism; Steroids, anabolic 247(1991)211

Mass spectrometry; Carboxylic acids, short chain; Feces; Iontrap detector 247(1991)223

Mass spectrometry; Blood; Ifosfamide 247(1991)229

Mass spectrometry; Methylmalonic acid; Urine; Ion-trap detector 247(1991)243

Mass spectrometry; Heroin; Isotope ratio; Geographical origin 247(1991)249

Mass spectrometry; Amino acids; Protein synthesis 247(1991) 255

Mass spectrometry; Olive oil; Cinnamic acid ethyl ester, 4-Vinylphenol 247(1991)295

Essential oils; Simplex algorithm; Fragrance matching 248 (1991)41

At. abs. spectrometry; Mercury; Organomercury compounds; Ethylation, Sodium tetraethylborate 248(1991)563

Aldehydes; Alkenal-N-methylhydrazones 248(1991)619

Biological samples; Fish; Mercury; Organomercury halides; Speciation; Butylation, Derivatization, Microwave-induced plasma emission detector 249(1991)545

Helium-3; Sea water; Sulphur hexafluoride; Tracers; Waters; Concentration mapping, Continuous underway analysis, Gas exchange 249(1991)555

Mass spectrometry; Alternating regression; Component reconstruction; Spectral primary space 250(1991)169

Gel permeation chromatography

Spectrophotometry; Copper/flavonoid complexes; Vegetables 203(1987)23

Flow system; Enzyme reactor; Starch; Glycogen; Amylase; Controlled-pore glass beads, Hydrolysis 234(1989)97

Liquid chrom.; Light scattering; Molecular size; Proteins; Egg white, Hepatitis B surface antigen, Macromolecular interaction 249(1991)227

Gravimetry

Lead-bearing samples; Silica; Errors 219(1989)177

H.p.l.c.; Titrimetry; Anions; Orthogonal regression; Waters 220(1989)207

Mercury; Cerium(IV), Perchloric acid 242(1991)279

H

High-performance liquid chromatography

Fluorimetry; Flavins; Waters; Solid-phase ion-pair extraction 201(1987)127

Kalman filter; Resolution 201(1987)185

Gas chromatography; Isoalkanes; Retention indices; General model 201(1987)217

Potentiometry; Coal; Fluorine; Minerals; Pyrohydrolysis 202 (1987)61

Voltammetry; Dacarbazine; Serum 202(1987)141

Voltammetry; Purines 202(1987)167

Kalman filter: Resolution 202(1987)187

Acetate; Ammonium; Antarctic ice; Fluoride; Formate; Methanesulphonate 203(1987)11

Spectrophotometry; Calcium; Magnesium; Water; Post-column reaction 204(1988)87

Amperometry; Anion monitoring; Differential double-layer capacitance; Electrosorptive, Mercury electrodes 204(1988)95

Fermentation of whey; Sugars; On-line, Ultrafiltration 204 (1988)127

Amino acid enantiomers; Chiral complex eluent, Reverse-phase 204(1988)145

Amperometry; Tributyltin oxide; Polarographic studies 204 (1988)151

Fluorimetry; Amino acids; Tryptophan; Photochemical reactor 205(1988)7

Fluorimetry; Amino acids; Carboxylic acids; Peptides; Laser-induced, Selective derivatization 205(1988)15

Fluorimetry; Disulphides; Rat tissues; Thiols; Pre-column derivatization 205(1988)29

Fluorimetry; Thiol-bimane derivatives; Reversed-phase 205 (1988)43

Chemiluminescence; Immunoassay; Quality control; Steroid labels 205(1988)175

Chemiluminescence; Immunoassay; Oxazepam; Urine 205 (1988)249

Chemiluminescence; Estradiol; Serum; Normal-phase 205 (1988)255

Voltammetry; Foods; Disaccharides; Monosaccharides; Physiological fluids; Electrocatalytic chemically modified electrode 206(1988)85

Ion exchange; Conductometry; Spectrophotometry; Anions; Waters; Tiron eluent 206(1988)281

Emission spectrometry; Geological samples; Plasmas; Rareearth elements; Inductively-coupled 207(1988)149

Amperometry; Fluorouracil; Pharmaceuticals; Serum; Anodic 207(1988)183

Sulphur anions 207(1988)301

Polarography; Grapes; Sulphur residues; Wheat; Sampled d.c., Differential pulse 207(1988)305

Fluorimetry; Carbon black extract; Polynuclear aromatic hydrocarbons; Shpol'skii effect 208(1988)183

Fluorimetry; Proteins; Serum; Time-resolved laser 208(1988) 255

Caffeine; Octadecyl phases; Purine bases; Serum; High-density, Chemically bonded, Silica gels 208(1988)263

Enantiomers containing single aromatic rings; β -Cyclodex-trin-bonded phases 208(1988)275

Amperometry; Hydroquinone; Metol; Photographic developer; Reversed-phase, Ion-pair 208(1988)337

Amperometry; Aflatoxins; Peanut butter 208(1988)343

Kalman filter; Robot system; Solid dosage formulations; One-dimensional 209(1988)45

Amperometry; Amino acids; Enzyme electrodes; Detectors 209(1988)259

Flow system; Voltammetry; Blood; Uracil derivatives; Urine; Differential pulse, Cathodic stripping 211(1988)175

Fluorimetry; Methoxypsoralen 211(1988)333

Kalman filter; Peak resolution 212(1988)81

Characterization of stationary/mobile phases; Reversed-phase retention; Using markers 212(1988)95

Flow system; Extraction; Organophosphorus pesticides; Waters 212(1988)123

Fluorimetry; Alkylamines; Post-column derivatization 212 (1988)155

Phenols partition equilibria; Anionic micelles 212(1988)171

Serum; Thiopurine compounds; Micelles as mobile phase 212(1988)181

Ethylenethiourea; Filters; Urine; Occupational hygiene 212 (1988)297

Flow system; Antibiotics production; Process control; On-line 213(1988)1

Ion exchange; Fermentation media; Organic acids; Short glass columns 213(1988)227

Caffeine; Morphine; Plant materials; Quinine; Serum; Supercritical fluid extraction 213(1988)237

Immunoassay; Voltammetry; Aminophenyl phosphate substrate; Digoxin 214(1988)187

Amperometry; Sulphur-containing pesticides; Pulsed, Reversed-phase 215(1988)1

Amperometry; Aldehydes; Ketones; Photoelectrochemical detector; Mechanism, Alkyl, Aryl 215(1988)45

Emission spectrometry; Microwave-induced nitrogen discharge; Replacement-ion chromatography 215(1988)99

Emission spectrometry; Flow system; Plasmas; Microliter samples, Peak-shaped input, Inductively-coupled 215(1988)143

Fluorimetry; Aromatic aldehydes; 1,2-Diamino-4,5-ethylene-dioxybenzene reagent 215(1988)259

Gas chromatography; T.l.c.; Review; Supercritical-fluid 216 (1989)109

Chemiluminescence; Fluorimetry; Aminocoumarins 217 (1989)11

Conductometry; Air; Nitrate; Nitrite; Passive monitors; Sulphate 217(1989)135

Doxorubicin; Plasma; Reversed-phase ion-pair 217(1989)149

Chemiluminescence; Cobalt; Rice flour 217(1989)157

Ion exchange; Conductometry; Sludges; Soils; Tungstate 217 (1989)383

Catecholamines; Urine; On-line purification 218(1989)119

Amperometry; Enzyme reactor; Nicotinamide coenzymes 218 (1989)129

Spectrophotometry; Gas chromatography; Tetraalkylammonium sulphonates 218(1989)241

Gas chromatography; Mass spectrometry; Resolution of overlapping peaks; Statistical and empirical functions 219(1989)257

Ion exchange; Gold; Platinum group metals; Chloro complexes, Bonded phase silica 220(1989)195

Titrimetry; Gravimetry; Anions; Orthogonal regression; Waters 220(1989)207

Hydride generation

At. abs. spectrometry; Biological materials; Selenium 201 (1987)331

At. abs. spectrometry; Lead; Nitroso-R salt 221(1989)85

Emission spectrometry; Germanium; Interference 229(1990) 239

Gas chromatography; At. abs. spectrometry; Tributyltin oxide; Urine; Wood preservatives 246(1991)351

I

Image analysis

Double-reciprocal plot; Drug; Enzyme-multiplied 223(1989) 293

Crystallization monitoring; Geometry-based algorithm 238 (1990)243

Immunoassay

Chemiluminescence; H.p.l.c.; Quality control; Steroid labels 205(1988)175

Chemiluminescence; Choline acetyltransferase; Tissue extracts 205(1988)183

Chemiluminescence; Estriol; Saliva 205(1988)215

Chemiluminescence; Meat samples; Nortestosterone; Comparison 205(1988)223

Fluorimetry; Hepatitis B surface antigen 205(1988)239

Chemiluminescence; Anabolic agents; Bovine serum 205 (1988)243

Chemiluminescence; H.p.l.c.; Oxazepam; Urine 205(1988)249

Saliva; Testosterone 207(1988)161

Surface plasmon resonance immunosensors; Sensitivity 213 (1988)35

Antibodies to peptides; Denatured protein; Short synthetic, Specific recognition 213(1988)187

H.p.l.c.; Voltammetry; Aminophenyl phosphate substrate; Digoxin 214(1988)187

Candida albicans; Human olfactory function 217(1989)281

Amperometry; Enzyme; α-Fetoprotein; Immunocomplex; Biosensor 222(1989)235

Kinetic analysis; α-Fetoprotein; Immunoglobulin G; Placental lactogen; Fluoride ion-selective electrode 224(1989)329

Amperometry; Insulin; Serum; Enzyme immunoelectrode 225 (1989)283

Chemiluminescence; Acridinium label 227(1989)11

Fluorimetry; (Microspot) 227(1989)73

Flow system; Chemiluminescence; Acridinium; Immunoglobulin G 227(1989)97

Spectrophotometry; Chemiluminescence; Nortestosterone; Enzyme 227(1989)109

Chemiluminescence; Progesterone; Whole saliva; Microtitre plate 227(1989)119

Fluorimetry; Estrogen; Laser 227(1989)129

Fluorimetry; Biosensor; Fibre-optic; Phenytoin 227(1989)135

Fluorimetry; Amphetamine; Methamphetamine; Urine; Polarization 227(1989)287

Flow system; Adenosine deaminase; Protein; Sandwich-type 229(1990)47

Fluorimetry; Sensor; Immobilization, Fibre optic 229(1990)169

Immunoglobulin G; Enzyme amplification; Human, Anti-human, Solid-phase, Enzyme cascade 232(1990)267

Flow system; Monoclonal antibodies; Immunoglobulin G; Hybridoma cell fermentation 234(1990)83

Fluorimetry; Biosensors; Fibre-optic sensor; Benzo[a]pyrene tetraol; Laser excitation 236(1990)237

Chemiluminescence; Flow system; Haptens; Enzyme system; Thyroxine; Horseradish peroxidase, Luminol 237(1990)285

Chemiluminescence; Methyltestosterone; Steroids; Direct reading, Microtitre plates, Luminoskan, Solid-phase 248 (1991)207

Osmotic pump; Saliva; Testosterone; In situ collection device 248(1991)517

Flow system; Bioreactors; Enzyme-linked immunosorbent assay; Process monitoring 249(1991)163

Electrophoresis; Antibody expression; Enzyme-linked immunosorbent assay; Flow cytometry; Hybridoma cells; Monoclonal antibodies; Homogeneous continuous perfusion culture systems 249(1991)257

Clinical test devices; Disposable analytical devices; Printed liquidic circuits; Switch devices 249(1991)263

Fermentation; Insulin; Genetic engineered human insulin, Downstream processing 249(1991)271

Potentiometry; Biosensors; Capacitance; Enterotoxin B; Semiconductors; Toxins; Antibody fixation, Grafted immunospecies 249(1991)367

Voltammetry; Cyclic voltammetry; Anti-HSA; Immunosensors; Polymer-modified electrodes; Polypyrrole 249 (1991)381

Amperometry; Biosensors; Enzyme electrodes; Fibre-optic sensors; Immunosensors; Bioaffinity, Biocatalytic 250(1991)249

Infrared spectrometry

Titrimetry; N.m.r. spectrometry; Mass spectrometry; Quinoline derivatives; Oxidation by vanadium(V) 204(1988)77 Environmental mixtures; Expert system; Interpretation program 210(1988)51

Reduction of information space; Fast Fourier, Fast Hadamard 210(1988)63

Chemical information systems; High-speed data-management 210(1988)73

N.m.r. spectrometry; Knowledge base; Numerical data; Acquisition, Dissemination, Retrieval 210(1988)81

N.m.r. spectrometry; Spectrophotometry; Calcichrome structure 217(1989)31

Computer-assisted interpretation of spectra; Knowledge-based system; Descriptive, Interactive 217(1989)203

Geological samples; Talc 217(1989)353

Chlorobenzenesulphonic acid; Waters 219(1989)165

Automated structure elucidation; Symbolic logic; Computer program 220(1989)155

Flow reactor; Gas cell; Methylchlorosilane; Silicon 222(1989) 221

Principal components; Discriminant analysis, Multiple regression 223(1989)75

Grain; Outlier detection 223(1989)95

Mass spectrometry; Artificial intelligence; Spectrum interpreter 223(1989)135

Condensed-phase; Knowledge-based system 227(1989)343

Condensed-phase; Knowledge-based system 227(1989)359

Spectrophotometry; Chlorotriazine; Immobilization; Silica gel; Trihydroxyazobenzene; Diffuse-reflectance 228(1990)235

Spectrophotometry; Fluorimetry; N.m.r. spectrometry; Fulvic acids; Laurentian, Colour origin 232(1990)43

Process analysis; Polymer melts; Fourier transform 238(1990)

Fuel quality; Fibre optics; Multivariate calibration; Process analysis; Gasoline; Diesel fuel; Octane number, Cetane number 238(1990)95

Review; Automated spectral interpretation; Structure determination; Computer-assisted interpretation of spectra; Knowledge-based system; Library search, Pattern recognition 240 (1990)3

Organophosphorus compounds; Ethylphosphine; Normal coordinate calculations 240(1990)19

Langmuir-Blodgett films; Phospholipid; Valinomycin; Fourier transform; ISFET; Potassium; Structural characterization, Micro-ATR 240(1990)29

Raman spectrometry; Mirex; Pesticides; Hydrogen-substituted degradation products 240(1990)41

Oxochloroaluminate melts; Fourier transform, MNDO/3-calculated spectra 240(1990)61

Nitrate; Nitrite; Ammonium; Matrix isolation, Alkali metal halide pellets 240(1990)69

Fourier transform; Polyimide films; Silicon electronic devices; Langmuir-Blodgett films; Attenuated total reflectance 240 (1990)81 Fourier transform; Chalcogenide; Fibres; Surface modification 240(1990)125

Carbon monoxide; Nitric oxide; Platinum-silica catalysts; Adsorption 240(1990)139

Polarization; Dichroism; Fourier transform, Linear and circular dichroic spectra 240(1990)145

Raman spectrometry; Pressure tuning vibrational spectroscopy; Hydrostatic pressure, Sodium and potassium decanoate 240(1990)151

Fluoromethane; Submillimetrewave spectroscopy; Pure rotational transitions, Acoustic detection 240(1990)167

Composites; Dielectric constant; Bismuth; Two-phase, Topology 240(1990)173

Specular reflectance; External reflection; Fresnel's equations, Weakly absorbing organic materials, Refractive index 240 (1990)179

Polystyrene; Silica; Simulated spectra; Dielectric function 240 (1990)187

Trimethylchlorostannane; Solvation 240(1990)199

Gas chromatography; Environmental samples; Pesticides; Polynuclear aromatic hydrocarbons; Fourier transform, Low temperature 240(1990)205

Alumina; Fourier transform; Photo-induced interaction; Rhenium; Hydroxylated alumina surface 240(1990)211

Fourier transform; Rhenium; Alumina; Hydroxylated alumina surface 240(1990)215

Surface electromagnetic wave spectrometry; Radiometry; Thin solid films, Optical properties, Quartz resonators 240(1990)219

Gas chromatography; Absorption coefficients; Vapour phase 240(1990)223

Diffuse reflectance; Inorganic powders; Silica; Silicon carbide; Blocker device, Simulation technique 240(1990)229

Surface electromagnetic waves; Thin films; Fourier transform 240(1990)235

Raman spectrometry; Near infrared; Fourier transform 240 (1991)239

External reflection; Fourier transform, Theory 240(1991)251

Disulphane; Internal rotation; Rotational and torsional spectra, Millimetre and submillimetre, Isotopes 240(1991)263

Superconductors; Vibrational structure; Reflectance, Ceramic 240(1991)273

Nucleosides; Cytidine; Deoxycytidine; Fourier transform, Phosphate salts, Aqueous solutions 240(1991)277

Raman spectrometry; Benzodiazepines; Nitrazepam; Nimetazepam; Clonazepam; Flunitrazepam; Fourier transform 240(1991)287

Polarization; Grazing incidence; Reflection-absorption; Organic thin films, Enhancement 240(1991)305

Rhamnose derivatives; Hydrogen bonding 240(1991)311

Raman spectrometry; Methylbut-1-yne; Dimethylbut-1-yne 240(1991)317

Kinetic analysis; Amine complexes; Aniline complexes; Formation constants; Fourier transform, Organic acceptors, Tetracyanoethylene, Fluoranil 240(1991)347

Attenuated total reflection; Depth profiling; Poly(ethylene terephthalate) 240(1991)353

Diffuse reflectance; Glass-covered samples; Hydrogen spillover; Zeolite; Fourier transform, Water formation 240(1991)363

Attenuated total reflection; Liquid crystals; Nematic, 5CB, Modulation, Electric field response 240(1991)371

Caesium hydroxide; High temperature spectrum 240(1991)383

Raman spectrometry; 4,4-Dimethyl-2-pentyne 240(1991)389

Raman spectrometry; Dimethylethyleneurea; Dimethylimidazolidinone; Deuterated 240(1991)395

Paint solvents; Xylol; Fourier transform, Butan-1-ol, Butyl acetate, Azeotropic mixtures 242(1991)123

Spectrophotometry; Mass spectrometry; Iron(II) complexes; Ethanedial; Glyoxal; Aminophenanthroline; Carbon paste electrodes; Redox mediators 242(1991)233

Discriminant analysis techniques; Atmospheric pollutants; Interferograms 246(1991)85

Kinetic analysis; Bis(2,4-dinitrophenyl) oxalate; Hydrolysis; Decomposition products 247(1991)141

Resolution enhancement; Sample perturbation; Information content 250(1991)131

Flow system; Fluorimetry; Spectrophotometry; Raman spectrometry; Mass spectrometry; Molecular spectroscopic detection; Sample introduction 250(1991)157

Ion exchange

Emission spectrometry; Geological samples; Gold; Palladium; Plasmas; Platinum 201(1987)95

Flow system; Spectrophotometry; Arsenate; Phosphate; Silicate 204(1988)53

Conductometry; Spectrophotometry; H.p.l.c.; Anions; Waters; Tiron eluent 206(1988)281

Voltammetry; Mercury; Silver; Zeolite-containing carbonpaste electrodes; Preconcentration 207(1988)95

Anod. stripping voltammetry; Speciation; Toxicity; Waters; Physicochemical, Metal to *Chlorella pyrenoidosa* 209(1988)97

Cation affinity series; Phosphonic acid resin 209(1988)363

Activ. analysis; Serum; Trace metals 211(1988)231

Spectrophotometry; Boron; Geological materials 211(1988)243

Electrotherm. atomization; At. abs. spectrometry; Heavy metals; Seawater; Pre-concentration, Chelex-100, pH and salts 211(1988)257

Electrotherm. atomization; At. abs. spectrometry; Heavy metals; Seawater; Pre-concentration, Chelex-100, Optimization, Plate simulation method 211(1988)271

At. abs. spectrometry; Cobalt; Copper; Manganese; Nickel; Tellurium metal 212(1988)191

H.p.l.c.; Fermentation media; Organic acids; Short glass columns 213(1988)227

Flow system; At. abs. spectrometry; Emission spectrometry; Extraction; Gas diffusion; On-line separation; Preconcentration 214(1988)41

Flow system; Spectrophotometry; Ammonium ions; Gas-diffusion separation 214(1988)121

Flow system; Amperometry; Acetylcholine; Choline; Enzyme reactor; Lipids 214(1988)173

Spectrophotometry; Flow system; Copper; Integrated reaction, Unsegmented 214(1988)217

Kinetic analysis; Flow system; Spectrophotometry; Molybdenum; Plants 214(1988)239

Spectrophotometry; Flow system; Geological samples; Preconcentration; Uranium 214(1988)279

At. abs. spectrometry; Spectrophotometry; Manganese metal; Trace elements 215(1988)111

At. abs. spectrometry; Spectrophotometry; Manganese metal; Trace elements 215(1988)317

H.p.l.c.; Conductometry; Sludges; Soils; Tungstate 217(1989) 383

Polarography; Molybdenum; Seawater; Tungsten; Waters; Catalytic current, Preconcentration 218(1989)25

At. abs. spectrometry; Copper speciation; Waters 219(1989)1

Flow system; Potentiometry; Halides 219(1989)55

Activ. analysis; Rare earth elements; Uranium 219(1989)313

Mercury; Waters; Preconcentration 219(1989)339

H.p.l.c.; Gold; Platinum group metals; Chloro complexes, Bonded phase silica 220(1989)195

X-ray fluores. spectrometry; Coal ash; Leach liquors 220 (1989)217

Brines; Rare earth elements; Preconcentration 220(1989)243

Amperometry; Voltammetry; Nafion; Sensor; Low-conductivity solvent 221(1989)27

Chemiluminescence; Liquid chrom.; Cobalt; Ion chromatography 221(1989)249

Amidoxime; Chelating resin; Holmium; Neodymium 221 (1989)325

Potentiometry; Liquid chrom.; Alkali metal ion; Potassium ion; Valinomycin; Replacement ion chromatography 222 (1989)95

Liquid chrom.; Potentiometry; Ion chromatography, Silver/silver bromide electrode 222(1989)109

Citric acid; Dissociation constant; Ternary system 222(1989) 189

Metal ion; Rate constant; Chelex 222(1989)279

Isotope dilut. analysis; Meteorite; Osmium; Rhenium; Resonance ionization mass spectrometry 222(1989)291

Flow system; Molybdenum; Natural water; Rock 225(1989)313

Carboxylic resin; Cation affinity; Phosphinic resin; Sulphonic resin 225(1989)323

Flow system; Spectrophotometry; Nitrate 225(1989)331

Potentiometry; Ferrocene; Glucose; Glucose oxidase; Siloxane polymer 228(1990)23

Chromatography; Selectivity coefficient; Streaming potential 228(1990)61

Environmental sample; Extraction; Technetium 228(1990)163

Dowex; Polyurethane foam; Retention behaviour; Hydrochloric acid-potassium thiocyanate 229(1990)127

Chromatography; Glyphosate; Nitrosoglyphosate 230(1990)29

Chemiluminescence; Chlorine; Waters; Uranine; Tap, Amberlite anion-exchange resin, Chloramines, Immobilized, Xanthene dye 231(1990)7

Anod. stripping voltammetry; Diffl. pulse voltammetry; Lead; Copper 231(1990)133

Chromatography; Cyclic voltammetry; Nitrosamines; Methyldihydrooxadiazolium ion; Electrochemical detection, 1-Octanesulphonic acid ion-pairing reagent 232(1990)397

Metal complexes; Ammonium nitrate; Distribution coefficients; Ammines, Aquo complexes, Cation-exchange 233 (1990)129

Poly(dithiocarbamate) resin; Preconcentration; Ion-exchange-chelating resin, Phase ratio 235(1990)427

Zirconium vanadophosphate; Geological samples 235(1990) 435

Chromatography; Chemiluminescence; Trace metals; Multielement detection; Waters; Co-EDTA post-column reagent, Luminol-peroxide, Zinc, Aluminium 237(1990)291

Chromatography; Oxalate; Plasma; Enzymatic method; Chloride removal 237(1990)299

Chromatography; Inorganic anions; Waters; Conductivity; Cu(II)-containing poly(3-methylthiophene) electrode, Single column 237(1990)317

Titrimetry; Chromatography; Process analysis; Gas treatment; Sulphur; Thiols; Automated titrator 238(1990)161

At. abs. spectrometry; Chromium; Waters; Preconcentration 238(1990)273

Chromatography; Spectrophotometry; Aluminium; Preconcentration; Pyrocatechol violet, Aqueous samples 238(1990)279

Chromatography; Flow system; Potentiometry; Ion-selective electrodes; Calcium 242(1991)65

Beryllium; Aluminium; Polystyrene-divinylbenzene resin, *N*-Benzoylphenylhydroxylamine functional group 242(1991)107

Amino acids; Peptides; Hollow fibres; Nafion membrane; Permeation 244(1991)21

Sodium; Amberlite IRC-84, Resin carboxylic protons, Cation exchange 244(1991)275

Copper; Complexation; Humic acids; Peat, Functional groups, Sulphopropyl-Sephadex C-25 cation exchanger 244(1991)281

Enzyme electrode; Enzyme inhibition; Oxalate oxidase; Urine, Oxalate, Thiocyanate 245(1991)129

Flow system; Biosensors; Glucose sensors; Poly(ester-sulfonic acid) coatings 245(1991)139

Flow system; Chromatography; Cyclic voltammetry; Alkaline earth metal ions; Alkali metal ions; Polyaniline-Nafion electrode 246(1991)275

Chromatography; Copper; Palladium; Base metals 248(1991) 535

Mass spectrometry; Liquid chrom.; Electrophoresis; Chromatography; Histone H2A (1-53)-NH₂; Peptides; Synthesis, Purification, Characterization 249(1991)215

Chromatography; Arsenate; Germanate; Phosphate; Silicate; Molybdenum blue reaction, Post-column detection 249(1991) 539

Chromatography; Cyanides; Ion-interaction chromatography; Metallo-cyanides; Preconcentration 250(1991)21

Isotope dilution analysis

Extraction; Plants; Sulphur 219(1989)97

Ion exchange; Meteorite; Osmium; Rhenium; Resonance ionization mass spectrometry 222(1989)291

Arsenic; Marine organism; Methylated arsenic 228(1990)85

Mass spectrometry; Geological sample; Uranium 228(1990)333

Mass spectrometry; Emission spectrometry; Geological material; Rubidium 229(1990)157

Mass spectrometry; Waters; Sea water; Barium; Plasma; Inducitively coupled 232(1990)323

Manganese; Biological samples; Foods; Spices; Thenoyltrifluoroacetone complex 234(1990)445

Mass spectrometry; Lead; Pineapple; Foods; Isotope systematics; Soldered cans, Welded cans, Clean laboratory 235 (1990)367

Contamination; Nitrogen; Soil; Extraction, Distillation, Drying 245(1991)49

Mass spectrometry; Plasmas; Sea water; Uranium; Waters; Marine sediment pore waters 245(1991)83

K

Kinetic analysis

Titrimetry; Catalytic end-point detection; Review 202(1987)1

Flow system; Spectrophotometry; Paracetamol; Single beadstring reactor; Optimization 204(1988)29

Chemiluminescence; Chromium speciation; Carboxylate ligands, Humic acid 206(1988)263

Spectrophotometry; Bromide; Waters 206(1988)273

Potentiometry; Organic iodine-containing compounds 206 (1988)375

Spectrophotometry; Nuclear fuels; Technetium; Vegetation 207(1988)233

Flow system; Cobalt; Waters; In-line preconcentration 207 (1988)331

Spectrophotometry; Competitive binding; Riboflavin; Urine; Homogeneous enzyme-linked 208(1988)31

Spectrophotometry; Biotin; Competitive binding; Vitamin tablets; Homogeneous enzyme-linked 208(1988)43

Polarography; Biological samples; Paraquat; Photoreduction; Soils; Waters 209(1988)79

Flow system; Sulphur anions; Catalyzed iodine-azide reaction 211(1988)299

Spectrophotometry; Cobalt; Nickel; Resolution of binary mixtures; Interpolation 212(1988)223

Spectrophotometry; Thiobenzamides; Catalysis, Partition coefficients 212(1988)279

Formic acid; Oxalic acid; Gasometric 212(1988)303

Spectrophotometry; Ethanol; Fermentation media; Glucose; Enzymatic 213(1988)61

Conductometry; Blood; Enzyme activities 213(1988)267

Flow system; Spectrophotometry; Ion exchange; Molybdenum; Plants 214(1988)239

Review 216(1989)69

Flow system; Spectrophotometry; High-purity chemicals; Manganese; Catalytic effect 217(1989)23

Voltammetry; Metalloporphyrin modified glassy carbon electrodes; Urine 217(1989)343

Flow system; Spectrophotometry; Self-modeling curve resolution 218(1989)303

Spectrophotometry; Acetaminophen; Pharmaceuticals 218 (1989)313

Potentiometry; Pharmaceuticals; Phytic acid; Urine; Crystalline growth of calcium oxalate 219(1989)89

Flow system; Lactate dehydrogenase; Serum; Multi-detection, Cyclic system 219(1989)191

Potentiometry; Cephalexin; Cetyltrimethylammonium bromide; Pharmaceuticals; Sulphamethizole; Micellar catalysis 219(1989)295

Flow system; Liquid chrom.; Computer controlled apparatus; Enzyme reactions; Protein; Stopped-flow 220(1989)13

Flow system; Gradient chamber; Model for unsegmented 220 (1989)23

Potentiometry; Lactose; Sucrose; Periodate-selective electrode 224(1989)159

Flow system; Ferroin; Ion-pair extraction 224(1989)169

Micelle; Cerium-arsenic reaction 224(1989)185

Dichlorophenolindophenol; Dithionites 224(1989)199

Spectrophotometry; Ascorbic acid; Hexacyanoferrate 224 (1989)211

Fluorimetry; Standard addition 224(1989)225

Kalman Filter; Marquardt algorithm 224(1989)243

Amino acid; Kalman filter; Trinitrobenzenesulphonic acid 224(1989)263

pH; Temperature 224(1989)275

Algorithm 224(1989)289

T.l.c.; Amino acid; Ninhydrin 224(1989)315

Immunoassay; α -Fetoprotein; Immunoglobulin G; Placental lactogen; Fluoride ion-selective electrode 224(1989)329

Spectrophotometry; Acetaminophen; Iron complex; Serum, Pharmaceutical preparation 224(1989)339

Spectrophotometry; Haemoglobin; Methaemoglobin; Whole blood 224(1989)351

Fluorimetry; Alizarin garnet R; Aluminum 224(1989)363

Flow system; Antimony; Molybdenum blue 224(1989)373

Flow system; Chlorine; Oxychlorine 224(1989)383

Flow system; Spectrophotometry; Hydrazine; Phenylhydrazine; Diode-array 225(1989)115

Spectrophotometry; Micelle; Iron; Pyrocatechol violet complex 226(1989)137

Potentiometry; Ascorbic acid; Biotin; *N*-bromosuccinimide; Pyridoxine hydrochloride; Thiamine hydrochloride 227(1989) 405

Spectrophotometry; Copper; Hydroxybenzaldehyde azine 229 (1990)107

Flow system; Spectrophotometry; Iron; Leucomalachite green; Peroxodisulphate 230(1990)113

Spectrophotometry; Biacetyl; Serum; Urea 230(1990)145

Flow system; Spectrophotometry; Reserpine; Catalysts; Manganese; Continuous-flow analysis, Manganese oxide reactor 233(1990)235

Fluorimetry; Hydrogen peroxide; Glucose; Homovanillic acid; Peroxidase-like catalysed oxidation; Manganese tetrakis-(sulphophenyl)porphyrin-catalysed oxidation 233(1990)299

Flow system; Amperometry; Oxalate; Photosensitive compounds; Iron (III) 234(1990)227

Spectrophotometry; Nitrite; Water; Food; Sausage, Potassium bromate, Thionine 234(1990)403

Quantitative structure/time/activity relations; Intracellular distribution, Bioactivity profiles 235(1990)195

Flow system; Spectrophotometry; Manganese; Waters; Stopped-flow method, Gradient calibration 235(1990)323

Cyclic voltammetry; Hexacyanoferrates; Oscillating reaction; Mechanism, Silver plating solution, Photographic solution 236(1990)411

Spectrophotometry; Vanadium; Micellar catalysis, Chemical catalysis, *p*-Phenetidine, Catechol, Bromate oxidative coupling, Cetylpyridinium chloride surfactant 237(1990)207

Acetylacetone; Ethers; Mass transfer; Extraction; Interfacial 237(1990)237

Spectrophotometry; Sulphonamides; Pharmaceuticals; Azo dye, Continuous addition of reagent 237(1990)353

Amperometry; Ion-selective electrodes; Oxygen; Membrane electrode, Transient response 237(1990)413

I.r. spectrometry; Amine complexes; Aniline complexes; Formation constants; Fourier transform, Organic acceptors, Tetracyanoethylene, Fluoranil 240(1991)347

Flow system; Spectrophotometry; Fluorimetry; Review; Stopped-flow technique 242(1991)147

Flow system; Oxalate; Urine; Enzyme reactor; Double stopped flow 242(1991)179

Fluorimetry; Ascorbic acid; Vitamin pills; Fruit juice; o-Phenylenediamine 243(1991)89

Spectrophotometry; Norbornadiene derivatives; Tetraphenyl-porphinecobalt(II); Photochromism; Porous glass beads, Immobilized 243(1991)97

Cyclic voltammetry; Orthogonal collocation; Heterogeneous equivalent formulation; Simulation; Fast second-order reactions 243(1991)301

Spectrophotometry; Multi-component analysis; Formaldehyde; Acrolein; Wavelength-pair method, Diode-array detection 244(1991)81

Spectrophotometry; Vanadium; 1,4-Dihydroxyphthalimide dioxime oxidation, Bromate, Vanadium catalysis 244(1991)89

Fluorimetry; DNA hybridization kinetics; Fluorescence polarization; Labelled oligonucleotides, Mismatches 244(1991)207

Spectrophotometry; Osmium; Pyrogallol red oxidation, Bromate, Osmium catalysis 244(1991)231

Spectrophotometry; Amines; Stopped-flow, Dialkyldithiocarbamates 244(1991)239

Extraction; Palladium; Equilibrium, Mechanism 245(1991)225

Mass spectrometry; Gas chromatography; Polynuclear aromatic hydrocarbons; Halogenated hydrocarbons; Chemical ionization, Fourier transform ion cyclotron resonance 246 (1990)199

I.r. spectrometry; Bis(2,4-dinitrophenyl) oxalate; Hydrolysis; Decomposition products 247(1991)141

Amperometry; Biosensors; Electron transfer; Quinoproteins; Methylamine dehydrogenase; Amicyanin, Cytochrome c 249 (1991)235

Film balance; Langmuir–Blodgett films; Process analysis; Proteins; Air/water interface, Multi-compartment trough, β -Lactoglobulin 249(1991)241

L

Liquid chromatography

Emission spectrometry; Geological samples; Plasmas; Rare earth elements; Inductively-coupled, Oxalate coprecipitation, Cation-exchange 208(1988)163

Flow system; Kinetic analysis; Computer controlled apparatus; Enzyme reactions; Protein; Stopped-flow 220(1989)13

Extraction; Plutonium; Soils; α-Spectrometry 220(1989)103

Fluorimetry; Methylglyoxal; Mouse blood 221(1989)163

Polarimetry; Erythromycin; Laser 221(1989)239

Chemiluminescence; Ion exchange; Cobalt; Ion chromatography 221(1989)249

Ion exchange; Potentiometry; Alkali metal ion; Potassium ion; Valinomycin; Replacement ion chromatography 222(1989)95

Ion exchange; Potentiometry; Ion chromatography, Silver/silver bromide electrode 222(1989)109

Fluorimetry; Boronic acid derivative; Brassinosteroid 222 (1989)201

Function of mutual information; Optimization; Capacity factor, Mobile-phase 222(1989)301

Antipyretic; Function of mutual information; Kalman filter; Mobile phase 222(1989)313

Basic drug; Expert system; Ion-pair 223(1989)1

Peak homogeneity; Photodiode-array detector 223(1989)175

Expert system; Spreadsheet 223(1989)183

Chemiluminescence; Amine; Aminocoumarin; Luminarine; Peroxyoxalate 223(1989)309

Fluorimetry; Amine; Dihydrodimethoxymethyloxoquinoxalinecarbonyl chloride 223(1989)319

Pyridylazophenols; Transition metal chelate; Ion-pair 223 (1989)339

Mass spectrometry; Interferon; Recombinant protein; Fast atom bombardment 223(1989)361

Iron; Phenanthroline; Sulphosalicylate 224(1989)65

Kalman filter; Resolution 225(1989)53

Spectrophotometry; Ergosterol; Yeast cells 225(1989)129

Spectrophotometry; T.l.c.; Carazolol; Pig kidney; Tranquillizer 225(1989)137

Flow system; Enzyme reactor; Modified electrode; Xylulose; Recirculating flow 225(1989)263

Chemically modified silica; Dialkyldithiocarbamate; Enrichment 225(1989)303

Flow system; Fluorimetry; Aluminium; Micelle 225(1989)339

N.m.r. spectrometry; Methylstyrenes 225(1989)409

Oxo-steroids; Tetrahydrofuran; Dansylhydrazones 225(1989) 421

Fluorimetry; Acetylcarbethoxycysteine; Urine 226(1989)109

Chemiluminescence; Oxo-bile acid; Oxo-steroid; Peroxyox-alate 227(1989)21

Fluorimetry; Argon-ion laser; Polynuclear aromatic hydrocarbon 227(1989)173

Fluorimetry; Adenine derivative; Chloroacetaldehyde; Chlorofluorobenzyladenine; Plasma 227(1989)189

Fluorimetry; Brassinosteroid; Dansylaminophenylboronate 228(1990)101

At. abs. spectrometry; Graphite furnace 228(1990)129

Expert system; Pharmaceutical sample; Ruggedness test 228 (1990)145

Calcium channel; Chloroquine; Plasma 228(1990)155

Injection system; Polynuclear aromatic hydrocarbons; Sample introduction, Correlation chromatography 228(1990)193

Fluorimetry; Cyanoisoindole; Steroidal primary alcohols 228 (1990)307

Fluorimetry; Amino acid; Fibre optic; Laser-induced 229 (1990)3

Diacetylpyridine bis(N-methylenepyridiniohydrazone); Metal chelate; Rare earth complex 229(1990)101

Amperometry; Microbe; Tissue 229(1990)139

Spectrophotometry; Dermatological preparation; Tolnaftate; Undecenoic acid 229(1990)255

Carboxylic acid; Micelle; Partition coefficient; Ion-exclusion 230(1990)9

Acenaphthenequinone dioxime; Dimethyl glyoxime; Naphthalene; Palladium; Preconcentration 230(1990)17

Bromopyridylazodiethylaminophenol; Chelation; Mineral sample; Transition metal; Water 230(1990)23

Amperometry; Vitamin B₆; Carbon fibre electrode 230(1990) 207

Chemiluminescence; Diaminophthalhydrazide; Keto acids; Hydrogen peroxide 231(1990)1

Electrophoresis; Micellar chromatography; Binding constants; Capillary zone, Surfactants 231(1990)237

Trinitrotoluene; Aminonitrotoluenes 231(1990)313

Waters; Sea water; Copper; Phytoplankton bloom; Plankton ecosystem; Metal-organic interactions 232(1990)161

Fulvic acids; Atrazine; Ultrafiltration; Laurentian, Binding, Hydrolysis 232(1990)181

Polynuclear aromatic hydrocarbons; Cyclodextrin complexes; Formation constants; Solubility; Non-inclusional assocation, Temperature dependence 232(1990)239

Copper; Catechin; Flavonoids; Electrochemical detection 232 (1990)377

Vanadium; Air; Waters; Reversed-phase, 2-(8-Quinolylazo)-5-N,N-diethylaminophenol 233(1990)121

Flow system; Liquid scintillation counting; Extraction; Amino acids; Reversed-phase, Phenylthiohydantoin derivatives 233 (1990)181

Methylenedioxy-N-n-propylnoraporphine; Aporphines; Alkaloids; Cunninghamella elegans O-dealkylation 233(1990)191

Fluorimetry; Glyphosate; Aminomethylphosphonic acid; Pesticides; Waters; Post-column fluorogenic labelling 233 (1990)311

Flow system; At. abs. spectrometry; Review; Detectors 234 (1989)3

Amperometry; Enzyme reactor; Carbohydrates; Immobilized, Post-column derivatization 234(1991)13

Voltammetry; Flow system; Wall-jet detector; Rapid scan, Convection/diffusion-controlled, Diffusion-controlled 234 (1989)75

Flow system; Phloroglucinols; Derivative spectroscopy; Photodiode-array detection, Post-column continous-flow analysis, Computer-aided, Kosins 234(1989)89

Flow system; Spectrophotometry; Mass spectrometry; Extraction; Organic pollutants; Pesticides; Chlorinated phenoxy acids; Waters; On-line continous-flow, Organophosphorus 234(1990)119

Amino acids; Glutamic acid; Chiral separation; Enantiomer separation; Chiral stationary phase, Cyclodextrin, Phthalaldehyde derivatization 234(1990)127

Spectrophotometry; Amperometry; Coulometry; Thienodiazepines; Pharmaceuticals 234(1990)175

Fluorimetry; Phthalaldehyde; Fluorescamine; Triton; Cyclodextrin; Pharmaceuticals 234(1990)187

Fish; Waters; Organic pollutants; Cytotoxicity; In vitro 234 (1990)193

Time-domain differentiation; Computerized peak resolution; Propyl gallate; Butylhydroquinone; Antioxidants; Foods 234 (1990)263

Fluorimetry; Polycyclic aromatic hydrocarbons; Waters; Air; Reversed-phase 234(1990)269

Expert system; Method validation; Precision testing 235 (1990)27

Multivariate calibration; Data analysis, Reversed-phase 235 (1990)41

Carbon-fibre electrode; Orcinol, Dihydroxynaphthalene 235 (1990)273

Amperometry; Spectrophotometry; Copper; Iron; Waters; Biological materials; Extraction; Cupferron derivatization 235 (1990)279

At. abs. spectrometry; Mercury; Speciation; Waters; Preconcentration; Waste waters, Cold vapour, Microcolumn 235 (1990)399

Climbazol; Shampoo; Cosmetics; Preservative 235(1990)465

Droplet countercurrent chromatography; Centrifugal partition chromatography; Natural products 236(1990)63

Gas chromatography; Organic acids; Biological fluids; Serum; Urine; Extraction 236(1990)121

Solid-phase extraction; Toxicity; Waters; Industrial wastewater effluents, Toxicity reduction, Fractionation 236(1990)131

Solid-phase extraction; Sample preparation; Ecdysteroids; Insects; Hormones, Sep-Pak cartridge, Phenylboronic acid 236 (1990)145

Gas chromatography; Extraction; Waters; Solid-phase extraction, Membrane, Filtration, Pesticides, Polychlorinated biphenyls, Phthalates 236(1990)157

Azidothymidine; Plasma; AZT, AIDS, Dialysis, Preconcentration, Silver(I)-thiol 236(1990)165

Gas chromatography; Mass spectrometry; Pesticides; Pyrimidinol; Corn 236(1990)173

Surfactants; Nonylphenol polyglycol ether; Non-ionic 236 (1990)273

Acetaminophen; Urine; Electrochemical detection, Dual electrodes, Pharmacokinetics 236(1990)293

Thiols; Waters; Dithiobis(nitropyridine) derivatization, Phthalaldehyde derivatization, Tributylphosphine, Sep-Pak cartridge extraction 236(1990)363

Amperometry; Chloramines; Waters; Glassy carbon electrode 237(1989)149

Thiopurine; Electrochemical activation; Enzymatic activation; Oxidation; Micellar, Horseradish peroxidase 237(1990)305

Rare earth elements; Thorium; Chromium; Ores; Ion pairing, Complexes, Precolumn derivatization 237(1990)311

Steels; Transition elements; Rare earth elements; Low-alloy, Post-column reaction detection, 4-(2-pyridylazo)resorcinol, Arsenazo-III 237(1990)325

Gas chromatography; Process analysis; Deferred standard 238(1990)17

Flavins; Vitamins; Two-electrode amperometric detection 239(1990)29

Amino acids; Peptides; Micellar liquid chromatography, Micellar electrokinetic capillary chromatography, Acid-base ionization constants 239(1990)121

Flow system; Extraction; Caffeine; Zidovudine; Beverages; Food; Urine 239(1990)171

Chemiluminescence; Fluoropyrimidines; Coumarin derivatization reagents 239(1990)181

Nitrite; Nitrate; Waters; Sea water; Venice lagoon, Ion interaction reversed-phase 239(1990)203

Amino acids; Chiral derivatization; Carbodiimides; Ivory identification; 2-N-benzyloxycarbonylamino acids, N, N'-Bis[(S)-1-phenylethyl]carbodiimide 239(1990)297

Mass spectrometry; Recombinant human epidermal growth factor; Reversed-phase, Fast atom bombardment 239(1990)301

Carboxylic acids; Wine; Optimization; Derivatization 242 (1990)25

Prednisolone; Prednisone; Plasma; Fluorescence detection, Quinoxaline derivatives 242(1991)113

Fluorimetry; Solubilization; Benzo[a]pyrene; Polynuclear aromatic hydrocarbons; Coal washing water 243(1991)115

Amine enantiomers; Dansylproline chiral derivatization; Reversed-phase, Diethyl phosphorocyanidate 243(1991)251

Mass spectrometry; Mycotoxins; Paspalitrems; Paxilline, Paspaline, Paspaline, Paspalicine, Diode-array detection, Computer library matching 244(1991)1

Atrazine; Humic acid; Fulvic acid; Herbicides; Laurentian, Ultrafiltration 244(1991)135

Amperometry; Cyclic voltammetry; Flow system; Carbohydrates; Amino acids; Constant-potential amperometric detection, Metallic electrodes 244(1991)169

Phosphorimetry; Caffeine; Theophylline; Theobromine; Solid-surface room-temperature 244(1991)215

At. abs. spectrometry; Computer simulation; Optical activity; Jones and Mueller calculus, Scientific block diagram program 246(1991)9

Biotin; Biocytin; Vitamins; Competitive binding; Fluorimetric detection 246(1991)103

Alumina columns; Solvent strength; Selectivity; Retention mechanism; Polybutadiene-coated 246(1991)113

Electrophoresis; Solute-micelle binding constants; Micellar, Electrokinetic 246(1991)131

Acetylsalicylic acid; Aspirin; Pharmacokinetics; Microdialysis sampling; Rats, In vivo 246(1991)181

Chemiluminescence; Chromatography; Alkanolamines; Ethanolamines; Ion-pair, Luminol 246(1991)447

Flow system; Cyclic voltammetry; Amperometry; Carbohydrates; Sugars; Nickel-catalysed glassy carbon electrode 248 (1991)117

Extraction; Polycyclic aromatic hydrocarbons; Supercritical fluid extraction; Supercritical fluid chromatography, Microextractor cell geometry 248(1991)263

Voltammetry; Extraction; Food dyes; Dynamic column solidphase extraction 248(1991)289

Piezoelectric sensors; Quartz crystal; Electrode-separated 248(1991)329

Fluorimetry; Enzyme reactor; Sorbitol dehydrogenase 248 (1991)367

Iodide; Electrochemical detection, Inorganic iodine 248 (1991)595

Flow system; Fermentation; Process monitoring 249(1991)87

Electrophoresis; Haemoglobin; Isoelectric focusing; Peptides; Proteins; Anion-exchange, Red blood cells 249(1991)169

Antibodies; Human growth hormone; Serum; Protein G affinity, Reversed phase, Antigen-antibody complexes 249(1991) 185

Enzyme purification; Phosphocellulose; Recombinant DNA 249(1991)195

Glycoprotein variants; Hydrophobic interaction chromatography; Plasminogen activator; Proteins 249(1991)201

Polyamino acids; Viscometry; Continuous differential, Polybenzyl glutamate, Poly-L-tryptophan 249(1991)209

Mass spectrometry; Electrophoresis; Ion exchange; Chromatography; Histone H2A (1–53)-NH₂; Peptides; Synthesis, Purification, Characterization 249(1991)215

Gel perm. chromatogr.; Light scattering; Molecular size; Proteins; Egg white, Hepatitis B surface antigen, Macromolecular interaction 249(1991)227

Fluorimetry; Alkaloids; Benzophenanthridine; Papaveraceae 249(1991)231

Fluorimetry; Flow system; Bile acids; Enzyme reactor; Serum; 3α -Hydroxysteroid dehydrogenase oxidation catalyst, NAD⁺ coenzyme 249(1991)461

pH; Selectivity optimization; Octadecyl-modified silica, Reversed-phase 250(1991)1

Calibration; Factor analysis; Kalman filter; Multi-wavelength detection; Rank annihilation 250(1991)37

Electrophoresis; Capillary) 250(1991)45

M

Mass spectrometry

Autoclave testing of glass bottles; Pharmaceutical use, Leached ions, Secondary-ion 201(1987)145

Symmetric distance measures 201(1987)225

Gases; Theoretical aspects, Calibration 201(1987)241

Titrimetry; I.r. spectrometry; N.m.r. spectrometry; Quinoline derivatives; Oxidation by vanadium(V) 204(1988)77

Gas chromatography; Petroleum hydrocarbons; Solid-phase extraction cartridges 204(1988)135

Gas chromatography; Trichothecenes; Heptafluorobutyrate esters, Negative-ion chemical ionization, Tandem 204(1988) 233

Halomethylation; Tandem, Ion trap 206(1988)239

Polymers; Potassium-ion ionization, Desorbed species 208 (1988)99

Gas chromatography; Extraction; Pendimethaline; Waters 208(1988)331

Microcomputer based information system; Categorized data bases 210(1988)169

Pattern recognition; Inductive expert system; Toxic compounds; SIMCA class modeling 211(1988)11

Fuels; Polar compounds; Methanol chemical-ionization 211 (1988)83

Plasmas; Signal suppression; Trace metals; Inductively-coupled, Internal standard 211(1988)91

Flow system; Arsenic; Chloroform; Sample introduction 214 (1988)385

Pattern recognition; Artificial-intelligence program; Spectral feature/substructure relationships; Automated elucidation, Tandem 215(1988)169

Isomer distinction; Pentadienes; Quadrupole ion trap 215 (1988)223

Plasmas; Review; Plasma source 216(1989)1

Electron probe analysis; Ion-microprobe; Review; Three-dimensional analysis; Secondary-ion 216(1989)25

Multicomponent dye samples; Californium-252, Particle-desorption 218(1989)85

Gas chromatography; T.l.c.; Pattern recognition; Spatial resolution; Secondary ion, Phase-transition matrix 218(1989)217

T.l.c.; Peptides; Steroids; Surface derivatization; Secondary ion 218(1989)231

Rare earth elements; Waters; Isotope-dilution 218(1989)265

Gas chromatography; H.p.l.c.; Resolution of overlapping peaks; Statistical and empirical functions 219(1989)257

Gas chromatography; Air; Diesel particulate; Polynuclear aromatic hydrocarbon; Nitrated polynuclear aromatic hydrocarbon 221(1989)53

Emission spectrometry; Mercury; Natural waters; Sediment; Inductively coupled plasma/mass spectrometry, Sodium boro-hydride 221(1989)77

Pattern recognition; Fluorimetry; Gas chromatography; Oilspill identification 222(1989)135

Principal components; Expert system; Toxic compounds 223 (1989)105

I.r. spectrometry; Artificial intelligence; Spectrum interpreter 223(1989)135

Peptide; Surface excess concentration; Fast atom bombardment 223(1989)349 Liquid chrom.; Interferon; Recombinant protein; Fast atom bombardment 223(1989)361

Principal components; Spruce needle; Thermal degradation; Air pollution 223(1989)371

Gas chromatography; Isotope ratio; Metal chelates 224(1989) 83

Toluene metabolite; Urine; Silicone membrane source 224 (1989)119

Fourier transform; Molecular weight; Tandem quadrupole 225(1989)1

Dual-cell geometry; Fourier transform; Ion cyclotron resonance 225(1989)11

Atmospheric-sampling; Glow-discharge ionization source, Ion-trap 225(1989)25

Immobilization; Phospholipid; X-ray photoelectron spectroscopy; Time-of-flight, Secondary-ion 225(1989)369

Combustion; Elemental analysis; Nitrogen 226(1989)345

Review, Ion-trap 228(1990)1

Gas chromatography; Atrazine; Herbicides; Water; Ion-trap 228(1990)69

Fourier transform; Surfactant; Textiles; Laser desorption 228 (1990)169

Data base 228(1990)177

Isotope dilut. analysis; Geological sample; Uranium 228 (1990)333

Reaction liquid; Sampling system 229(1990)9

Isotope dilut. analysis; Emission spectrometry; Geological material; Rubidium 229(1990)157

Mass calibrant; Perfluorokerosene; Perfluorotributylamine; Poly(perfluoropropylene oxide); Negative ionization, Magnetic sector 229(1990)163

At. abs. spectrometry; Emission spectrometry; Gold; Platinum; Solvent extraction; Zeeman effect, Graphite furnace 229(1990)227

Membrane probe; Organic compounds; Direct insertion 231 (1990)175

N.m.r. spectrometry; Humic substances; Soils; Waters; Fulvic acids; Isotope ratios; Amino acid analysis 232(1990)19

Tagetes; Leaf gland secretions; Thiophenes; Tandem 232 (1990)253

Waters; Sea water; Barium; Plasmas; Isotope dilution; Inductively coupled 232(1990)323

Calcium; Accelerator; Bone; Rocks; Sample preparation 233 (1990)101

Flow system; Liquid chrom.; Spectrophotometry; Extraction; Organic pollutants; Pesticides; Chlorinated phenoxy acids; Waters; On-line continous-flow, Organophosphorus 234 (1990)119

Isotope dilut. analysis; Lead; Pineapple; Foods; Isotope systematics; Soldered cans, Welded cans, Clean laboratory 235 (1990)367

Gas chromatography; Biomarkers; Hopanes; Petroleum; Triterpanes; Crude oil 235(1990)375

Plasmas; Laser ablation; Rocks; Minerals; Geological materials; Inductively coupled 235(1990)381

Gas chromatography; Extraction; Waters; Herbicides; Solidphase extraction, Well water 236(1990)141

Liquid chrom.; Gas chromatography; Pesticides; Pyrimidinol; Corn 236(1990)173

Hydrogen; Stainless steel; Spark source, Ion-source baking, Cryogenic pump 236(1990)351

Activ. analysis; Emission spectrometry; Rare earth elements; Rocks; Plasmas; Isotope dilution, Inductively coupled 236 (1990)487

Gas chromatography; Chloramphenicol; Urine; Eggs; Biological materials; Residues, Radioimmunoassay, Enzyme immunoassay 237(1990)61

Semiconductors; Fourier transform ion cyclotron resonance, Chemical vapour deposition reagents 237(1990)83

Structure determination; Computer program; Proteins; Peptides; Antibiotics; MASSPEC, Graphics-based data system 237(1990)459

Fermentation gas analysis; Error analysis; Process analysis; Poly- β -hydroxybutyrate, *Alcaligenes latus*, *Bacillus subtilis* 238(1990)101

Liquid chrom.; Recombinant human epidermal growth factor; Reversed-phase, Fast atom bombardment 239(1990)301

Proteins; Serum albumin, Multiply charged proteins, Collisionally activated dissociation, Electrospray ionization 241 (1990)167

Biological samples; Proteins; Glycoproteins; Oligonucleotides; Carbohydrates; Matrix-assisted UV/laser desorption/ionization 241(1990)175

Laser desorption ionization; Ion cyclotron resonance; Oligosaccharides; Neuramic acid acetal groups, Pyruvic acid acetal groups 241(1990)187

Peptides; Hybrid tandem, Daughter ion abundance, Leucineenkephalin, RF-only quadrupole collision cell 241(1990)201

Probe design; Pharmaceuticals; Continuous-flow fast atom bombardment 241(1990)209

Bioorganic molecules; Formylaminoethanol; Oligosaccharides; Peptides; Fast atom bombardment, Matrix 241(1990)219

Ionization processes; Hydrochloric acid; Diethanolamine; Fast atom bombardment, Aggregate ions 241(1990)227

Porphyrins; Alkylporphyrins; Fast atom bombardment, Copper-induced dealkylation 241(1990)233

Biological samples; Plasma desorption, Interferences, Vacuum Pump oil, Aluminium oxide clusters 241(1990)241

Trace metals; Isotopes; Clinical analysis; Fast atom bombardment, Monohydride formation 241(1990)249

Sample preparation; Protein metabolism; Urine; Protein turnover; Cation-exchange resin, Urinary ammonium, Isotope ratio, Continuous flow, Conway microdiffusion 241(1990)255

Adamantanamines; Biological samples; Pharmaceuticals; Mass fragmentography 241(1990)261

Estradiol palmitate; Tandem mass spectrometry 241(1990)265

Carbamoylamino acids; Urine; Urea cycle disorder; Fast atom bombardment, Tandem, *tert*-Butyldimethylsilyl derivatives 241(1990)273

Porphyrins; Metalloporphyrins; Fast atom bombardment, Demetallation 241(1990)281

Aminoandrostane quaternary salts; Steroids; Pipecuronium bromide; Fast atom bombardment, Arduan 241(1990)289

Biomineralization; Biomaterials; Bone; Teeth; Secondary ion 241(1990)299

Proteins; Plasma desorption, Liquid secondary ion 241(1990) 315

Glycoproteins; Endoglucanase I; Time-of-flight, UV laser desorption, Plasma desorption, *Trichoderma reesei* fungus 241 (1990)321

Solid samples; Spark source, Graphite rod electrode, Silver acrylic paint 242(1991)117

Spectrophotometry; I.r. spectrometry; Iron(II) complexes; Ethanedial; Glyoxal; Aminophenanthroline; Carbon paste electrodes; Redox mediators 242(1991)233

Pattern recognition; Molecular speciation; Microparticles; Principle component analysis; Canonical discriminant analysis; Nickel compounds; Laser microprobe 243(1991)139

Gas chromatography; Chlorotriazine pesticides; Organophosphorus pesticides; Pesticides; Soils 243(1991)259

Liquid chrom.; Mycotoxins; Paspalitrems; Paxilline, Paspaline, Paspalicine, Diode-array detection, Computer library matching 244(1991)1

Gas chromatography; Water; Pesticides; 2,2-Dimethoxypropane 244(1991)9

Boron; Titanium; Plasmas; Inductively coupled; Reference material, Homogeneity 244(1991)115

Plasmas; Lithium; Biological samples; Serum; Foods; Inductively coupled, Standard Reference Materials 244(1991)259

Plasmas; Isotope dilution; Sea water; Uranium; Waters; Marine sediment pore waters 245(1991)83

Air; Benzene; Charge exchange; Chloroethyl ethyl sulphide; Low-level air pollutants 245(1991)267

Fatty acid esters; Collision-induced dissociation, B/E linked scans 246(1991)187

Kinetic analysis; Gas chromatography; Polynuclear aromatic hydrocarbons; Halogenated hydrocarbons; Chemical ionization, Fourier transform ion cyclotron resonance 246(1990)199

Collision-activated dissociation; Sustained off-resonance irradiation, Fourier transform, Infrared multiphoton dissociation 246(1991)211

Ion isolation; Fourier transform ion cyclotron resonance, Notch excitation, Selective ion partitioning, Dual cell 246 (1991)227

Gas chromatography; Pattern recognition; Expert system; Low-resolution mass spectra; Volatile organic compounds; MAXMASS 246(1991)391

Biological samples; Liquid ionization; Sweat; Diethylene glycol, Exercise 246(1991)405

Algorithm; Isotope distribution 247(1991)107

Gas chromatography; Foods; Honey; Pentachlorophenol; Sep-Pak extraction 247(1991)121

Mifentidine; Histamine 247(1991)151

Cyclic nucleotides; Enzymes 247(1991)161

Cyclic nucleotides; Fast atom bombardment mass spectrometry 247(1991)177

Fast atom bombardment; Ribomononucleotides (isomeric) 247(1991)187

Gas chromatography; Dimethyladenosine; Urine 247(1991)201

Gas chromatography; Formebolone metabolism; Steroids, anabolic 247(1991)211

Gas chromatography; Carboxylic acids, short chain; Feces; Ion-trap detector 247(1991)223

Gas chromatography; Blood; Ifosfamide 247(1991)229

Collision-induced dissociation; Ethylguanine isomers; Laser desorption; Fourier transform 247(1991)235

Gas chromatography; Methylmalonic acid; Urine; Ion-trap detector 247(1991)243

Gas chromatography; Heroin; Isotope ratio; Geographical origin 247(1991)249

Gas chromatography; Amino acids; Protein synthesis 247 (1991)255

Proteins; Molecular ion ejection mechanisms 247(1991)265

Deuterium labelling; Metabolic studies 247(1991)277

Soft ionization techniques; Lipids; Serratia marcescens 247 (1991)283

Gas chromatography; Olive oil; Cinnamic acid ethyl ester, 4-Vinylphenol 247(1991)295

Algorithms; Elemental analysis 248(1991)71

X-ray fluores. spectrometry; Glassy carbon electrodes; Scanning electron microscopy; Surface analysis; Electrochemical modification, Solid-state characterization 248(1991)127

Biological samples; Boron; Nebulization; Inductively coupled plasma, Isotope ratio 248(1991)229

Peptides; Proteins; Time-of-flight mass spectrometer; Matrix-assisted, Laser desorption, Pulsed nitrogen laser 248(1991)541

Adipokinetic hormones; Hormones; Peptides; Structure determination; *Locusta migratoria*, Fast atom bombardment, Tandem 248(1991)553

Liquid chrom.; Electrophoresis; Ion exchange; Chromatography; Histone H2A (1–53)-NH₂; Peptides; Synthesis, Purification, Characterization 249(1991)215

Biological samples; Plasmas; Inductively coupled, Bovine liver, Fish tissue 249(1991)495

Elemental analysis; Laser desorption; Plasmas; Inductively coupled, Time-of-flight 250(1991)61

Biological samples; Macromolecules; Tandem sector mass spectrometers; Fourier transform 250(1991)105

Flow system; Fluorimetry; Spectrophotometry; Raman spectrometry; I.r. spectrometry; Molecular spectroscopic detection; Sample introduction 250(1991)157

Gas chromatography; Alternating regression; Component reconstruction; Spectral primary space 250(1991)169

Microscopy

Voltammetry; Iridium; Mercury film electrode 221(1989)305

N

Neutron activation

Reference material; Sediment 223(1989)287

Emission spectrometry; Copper isotope; Dietary copper; Hair; Direct-current argon plasma 225(1989)185

Nuclear magnetic resonance spectrometry

Titrimetry; I.r. spectrometry; Mass spectrometry; Quinoline derivatives; Oxidation by vanadium(V) 204(1988)77

Similarity search; Data base, Proton 206(1988)173

Metformin hydrochloride; Pharmaceuticals 208(1988)321

Computer-aided recognition structures; Chemical shift, Charge density, Carbon-13 209(1988)29

Computer-stored spectra; One-bit quantization 209(1988)271

I.r. spectrometry; Knowledge base; Numerical data; Acquisition, Dissemination, Retrieval 210(1988)81

Microcomputer-based search system 210(1988)89

Computer assisted structure elucidation; Correlations, Carbon-13 210(1988)163

Computer-based structure characterization 216(1989)57

I.r. spectrometry; Spectrophotometry; Calcichrome structure 217(1989)31

Artificial intelligence; Prediction of spectra; Carbon-13, Coding sys.em 217(1989)85

Magnetic resonance imaging agents; Stability of iron complexes 217(1989)391

Competitive equilibrium constants 220(1989)171

Pattern recognition; Auto-optimization 221(1989)345

Principal components; Hydrocarbon mixture 223(1989)123

Liquid chrom.; Methylstyrenes 225(1989)409

Chemical shift; Computer 229(1990)17

Mass spectrometry; Humic substances; Soils; Waters; Fulvic acids; Isotope ratios; Amino acid analysis 232(1990)19

Humic acids; Soils; Sediments; Philippines 232(1990)31

Spectrophotometry; Fluorimetry; I.r. spectrometry; Fulvic acids; Laurentian, Colour origin 232(1990)43

Contrast agents; Computer simulation; Plasma; NMR imaging, Diethylenetriaminepentaacetic acid complexes, Equilibria 233(1990)85

Organic compounds; Parameter set; sp³-Hybridized carbon atoms, ¹³C chemical shift prediction 233(1990)213

Pheromones; Dienes; Configurations; Fuzzy classification; ¹³C chemical shifts 233(1990)223

Acyclic hydrocarbons; Computer prediction; ¹³C chemical shifts, Microcomputer program, Beierbeck-Saunders approach 233(1990)315

Carbon-13 nuclear magnetic resonance; Computer-aided; Terpenoid identification; Natural products 236(1990)501

Computer program; Line shapes 239(1990)157

Computer program; Spectral assignment 242(1991)37

Chemical shift; Computer program 242(1991)43

Computer-assisted spectral simulation; Isoquinolines; Quinolines; Models, Library searches, Multiple linear regression 248(1991)183

Chemical shift prediction; Hybridized carbon atoms 248 (1991)415

P

Pattern recognition

Chromatography; k-Nearest-neighbour, Peak recognition 201 (1987)153

Chromatography; Distance measures, k-Nearest-neighbour 201(1987)171

Emission spectrometry; Archaeological glass; Origin, Supervised learning, Optical emission spectrography 201(1987)289

Biochemical assays; Liver function 202(1987)175

Polynuclear aromatic hydrocarbons; Prediction of carcinogenicity 202(1987)237

Probabilistic classification; SIMCA, ALLOC, CLASSY, LDA 209(1988)1

Disjoint classification program 209(1988)265

China, Review 210(1988)175

Mass spectrometry; Inductive expert system; Toxic compounds; SIMCA class modeling 211(1988)11

Animal feeds; Fodder plants; Rumen bacteria; Enzymatically changed, Genetic varieties 213(1988)177

Conductometry; Odour-sensing system; Semiconductor gas sensors 215(1988)155

Mass spectrometry; Artificial-intelligence program; Spectral feature/substructure relationships; Automated elucidation, Tandem 215(1988)169

Gas chromatography; Mass spectrometry; T.l.c.; Spatial resolution; Secondary ion, Phase-transition matrix 218(1989)217

Multivariate classification; Variable selection, Sample size 220(1989)119

N.m.r. spectrometry; Auto-optimization 221(1989)345 221(1989)353

Fluorimetry; Gas chromatography; Mass spectrometry; Oilspill identification 222(1989)135

Classification; Supervised technique; Sample size 223(1989)19

Compatibility; Eigenvector; Triterpane; Oil 223(1989)45

Principal components; Pharmaceutical analysis 223(1989)149

Principal components; Data bank; Food chemistry 223(1989) 223

Principal components; Glass technology; Photochromic material 223(1989)247

Fish; Mullet species discrimination, Classification, Prediction, Biometric and chemical variables 233(1990)143

Flow system; Response surface mapping; Automated optimization; Simplex optimization 237(1990)361

Linear discriminant analysis; Outlier detection, Hawkins' method 239(1990)229

Eye cataracts; Trace metals 242(1991)11

Gas sensor array; Multivariant Techniques 242(1991)31

Mass spectrometry; Molecular speciation; Microparticles; Principle component analysis; Canonical discriminant analysis; Nickel compounds; Laser microprobe 243(1991)139

Gas chromatography; Liquor aromas; Headspace concentration; Gas sensor array; Semiconductor 243(1991)293

Supervised learning; Environmental analysis; Class-in-class modelling 243(1991)311

Gas chromatography; Mass spectrometry; Expert system; Low-resolution mass spectra; Volatile organic compounds; MAXMASS 246(1991)391

Discriminants; Training sets 249(1991)305

Piezoelectric sensors; Acetoin; Alcohols; Amyl acetate; Menthone; Neural network; Odorants; Olfactory system; Backpropagation algorithm, Lipid-coated AT-cut quartz crystals 249(1991)323

Phosphorimetry

Phenothiazine derivatives; Paper-substrate, Enhanced 204 (1988)247

Purines; Heavy-atom effects, Room-temperature 205(1988)273

Surface analysis of tablets; Room-temperature 205(1988)279

T.l.c.; Methylumbelliferone; Low-temperature 212(1988)213

Aluminium; Dialysis fluids; Waters; Room-temperature, Ferron chelate in micellar media 212(1988)235

Cyclodextrin enhancement; Organic compounds; Room-temperature 217(1989)171

Blood serum; Rodenticide; Warfarin; Room-temperature phosphorescence 222(1989)177

Anthracene; Room-temperature, Solid substrate 225(1989)415

Fluorimetry; Coumarinsulphonyl chloride; Synthesis 227 (1989)145

T.l.c.; Fluorimetry; Amino acid; Coumarinsulphonyl chloride; Ion-pair 227(1989)155

Biacetyl; Fat; Room temperature 227(1989)319

Flow system; Sample introduction; Continuous, Solid-surface room-temperature 231(1990)289

Flow system; Aluminium; Micelle, Water, Dialysis fluid, Ferron chelate 234(1990)233

Purines; Room-temperature phosphorescence enhancement, Thallium(I), Sodium dodecyl sulphate, Filter-paper 236(1990) 257

Chemiluminescence; Fluorimetry; Aluminium; Milk powder; Liquid room temperature, Ferron, Vesicles 238(1990)297

Liquid chrom.; Caffeine; Theophylline; Theobromine; Solidsurface room-temperature 244(1991)215

Photoacoustic spectroscopy

Gases; Sulphur dioxide; Ultraviolet laser 218(1989)101

Reflectance spectrometry; Silica with hydroxamic acid groups; Synthesis 219(1989)201

Gas chromatography; Hydrocarbon; Mercury 226(1989)99

Phosphorus; Molybdenum blue, Anion-exchange resin beads 233(1990)135

Diethyl ether; Overtone spectroscopy; Pyroelectric detector, Laser power 240(1991)377

Acoustic emission characterization; Potassium nitrate recrystallization; Polymer stressing; Descriptor distributions 246 (1991)23

Photoacoustic spectroscopy; Acoustic emission; Enzyme reactions; Catalase, Hydrogen peroxide, Oxygen effervescence 246(1991)43

Adsorption isotherms; Gases; Humidity correction algorithm; Surface acoustic wave sensors 248(1991)337

Piezoelectric sensing

Nitrogen dioxide; Manganese dioxide-coated quartz 207 (1988)67

Cyclic voltammetry; Silver; Adsorption 209(1988)213

Physical parameters of liquids; Oscillation behaviour 212 (1988)61

Iodide; Waters 215(1988)79

Endotoxin; Viscosity monitoring; Gelation of Limulus amebocyte lysate 215(1988)91

Sulphur dioxide; Organophosphine transition metal complexes 217(1989)101

Antibody-coated sensors; Pesticides; Toluene; Film-free 217 (1989)111

Hydrogen sulphide 217(1989)187

Fibrinogen; Quartz-crystal gelation detector 217(1989)321

Bromide; Catalysis of permanganate/iodide reaction 217 (1989)327

Acoustic wave sensors; Quartz acoustic wave crystal; Etched crystal, Aminopropyltriethoxysilane film 248(1991)143

Liquid chrom.; Quartz crystal; Electrode-separated 248(1991) 329

Pattern recognition; Acetoin; Alcohols; Amyl acetate; Menthone; Neural network; Odorants; Olfactory system; Backpropagation algorithm, Lipid-coated AT-cut quartz crystals 249(1991)323

Polarimetry

Liquid chrom.; Erythromycin; Laser 221(1989)239

Polarography

see also A.c. polarography, D.c. polarography, Differential pulse polarography, Pulse polarography

Conductometry; Crown ether complexes; Stability constants; Divalent cations 201(1987)117

H.p.l.c.; Grapes; Sulphur residues; Wheat; Sampled d.c., Differential pulse 207(1988)305

Kinetic analysis; Biological samples; Paraquat; Photoreduction; Soils; Waters 209(1988)79

Saliva; Thiocyanate; Linear-sweep 212(1988)43

Iron speciation; EDTA complexes 212(1988)335

Chlorine; Phenylthiourea solutions; Waters; Linear-sweep, Active 215(1988)37

Ion exchange; Molybdenum; Seawater; Tungsten; Waters; Catalytic current, Preconcentration 218(1989)25

Biosensor; Fish meat; Hypoxanthine; Xanthine oxidase 221 (1989)215

Cadmium; Lead; Stability constant; Oxalate, Sulphate 223 (1989)429

Potentiometry; Bromopyridinium ion; Dissociation constant 224(1989)109

Ethanediamine; Lead; Thallium, Cadmium, Hydroxyl ion 226 (1989)351

Cadmium; Polyacrylic acid; Polymethacrylic acid; Zinc 229 (1990)93

Boiler water; Copper; Dimethyl aminopropanol; Volatile amine 229(1990)149

Nickel; Pilocarpine 230(1990)97

Nitrite; Sausage; Water; Single-sweep 230(1990)105

Electrochemical mechanisms; Knowledge-based system; Sampled d.c., Tast, Automatic 231(1990)59

Surfactants; Tensammetry; Non-ionic, Hanging mercury drop electrode, Adsorption errors 231(1990)77

Dropping mercury electrode; Cobalt-ammonia complexes; Reduction mechanism; Stability constants 231(1990)143

Voltammetry; Phytoplankton bloom; Surface-active substances; Humic substances 232(1990)131

Quinones; Naphthoquinones; Benzoquinones; Bioreductive quinones, Mitomycin, Aziridinylquinone, Antitumour agents 233(1990)251

Flow system; Nitrate; Waters; Uranyl ion 234(1990)475

Anod. stripping voltammetry; Mercury microelectrodes; Non-conducting polymer coatings, Poly-N-ethyltyramine, Dithiocarbamate ligands 235(1990)451

Amperometry; Titrimetry; Colloidal electrolytes; Dodecylquinolinium bromide; Potassium dichromate, Potassium hexacyanoferrate(III), Ammonium molybdate 236(1990)325

Enzyme electrode; Amplification; Glutamate; Alanine 236 (1990)437

Hair; Zinc; Lead; Copper; UV irradiation, Polarographic adsorptive complex waves 238(1990)367

Complexation; Tin; Dimethylformamide; Acetonitrile; Free energy of transfer, Stability constants 242(1991)295

Progesterone; Surfactants; Linear sweep, Cetyltrimethylammonium bromide 248(1991)103

Potentiometry; Cadmium; Coated-wire electrodes; Ion-selective electrodes; Neutral carrier, 4,4'-di(5-nonyl)-2,2'-bipyridine, Selectivity coefficients 248(1991)315

Cobalt; Reduction mechanism; Malonate complexes, Succinate complexes 248(1991)409

Thermom. analysis; Aromatic compounds; Biosensors; Oxygen electrode; *Pseudomonas cepacia*; Calcium alginate gel, Metabolism 249(1991)17

Potentiometry

Flow system; Mercury; Water; Fibre electrodes, Computerized, Constant-current stripping 201(1987)1

Flow system; Arsenic; Sea water; Constant-current stripping, Gold fibre electrodes 201(1987)263

Flow system; Air; Mercury; Computerized flow constant-current stripping, Gold fibre electrode 201(1987)269

Air; Hydrogen chloride; Diffusion/denuder tubes 202(1987)49

H.p.l.c.; Coal; Fluorine; Minerals; Pyrohydrolysis 202(1987)61

Bismuth; Copper; Mercury; Urine; Constant-current stripping, Gold fibre electrode 202(1987)117

Antimony speciation; Waters; Flow constant-current stripping, Gold fibre electrodes 202(1987)123

Flow system; Enzyme-modified field effect transistor; Urea 202(1987)131

Coulometry; Titrimetry; Alkali metal halides; Trivalent metal sulphates; Hydrogen/palladium electrode 202(1987)231

Concentration cell; Copper; Copper selenide membrane 203 (1987)79

Flow system; Chemical sensor testing; Urease sensor; On-line analysis 204(1988)7

Sulphide sensor; Air-gap 204(1988)213

Sodium-selective electrode; Methyl p-t-butylcalix[4]aryl acetate 204(1988)223

Flow system; Photo-cured polymer membrane; Potassium-selective electrode; Valinomycin 204(1988)329

Ion-selective electrodes; Review 206(1988)1

Plasma; Pyridostigmine; Enzymatic 206(1988)57

Titrimetry; Equivalence volumes; Review 206(1988)111

Aspartame; Sweeteners; Enzyme electrode 206(1988)369

Kinetic analysis; Organic iodine-containing compounds 206 (1988)375

Flow system; Cadmium; Lead; Nafion-modified carbon fibre electrodes; Urine; Zinc; Computerized flow, Stripping 207 (1988)17

Flow system; Silver; Constant-current stripping 207(1988)27

Flow system; Arsenic; Seawater; Urine; Constant-current stripping 207(1988)37

Alcohol-FET sensor; Blood ethanol; Enzyme system 207 (1988)77

pH Reference value standards; 2-Propanol/water mixtures 207(1988)211

Flow system; Antilog converter 207(1988)325

Flow system; Fluoride-selective electrode; Horseradish peroxidase; Milk; Turnip extract 208(1988)173

Computerized instrument; Fluoride selective electrode; Waters; Battery-powered, Field-based, Metal-oxide semiconductor 208(1988)195

Flow system; Cobalt; Nickel; Constant-current stripping, Carbon fibre electrodes 208(1988)237

Potassium ion-selective electrode; Pyridine-based macrocylic ionophore 208(1988)283

Flow system; Gold; Computerized flow, Constant-current stripping, Carbon or platinum fibre electrodes 208(1988)301

Flow system; Enzyme reactor; Penicillin; Pharmaceuticals 209(1988)123

Flow system; Blood; Urea; Ammonium electrode, Immobilized urease 209(1988)239

Flow system; Blood; Lead; Computerized stripping 209(1988) 339

Titrimetry; Hexacyanoferrate(II) electrodes; Solid-state 209 (1988)345

Di-isopropyl fluorophosphate electrode; Squid nerve tissue, Fluoride electrode 209(1988)351

Titrimetry; Coated wire electrode; Palladium halide complex; PVC membrane, Aluminium 209(1988)357

Chronopotentiometry; Knowledge-based system; Elucidation of electrode reaction mechanisms 211(1988)61

Flow system; Calcium selective electrodes 211(1988)213

Titrimetry; Monoaza crown ethers; Complexation properties 211(1988)223

Voltammetry; Carbon fibre electrodes; Hydrogen ion concentration 212(1988)23

Glucose-sensitive field-effect transistor; Two-enzyme membrane 212(1988)49

Titrimetry; Copper interactions with ligands; Humic-like substance, Fulvic acids 212(1988)105

Fluorine; Plants; Vegetables; Open-flame ashing, Microdiffusion 212(1988)133

Sodium ion membrane electrode; Crown ether, PVC 212 (1988)325

Biosensors; Enzyme electrodes; Review; Electronic, Optoelectronic 213(1988)23

Amperometry; Fermentation processes; Microbiological sensors; Review 213(1988)69

Flow system; Proteins; Streaming potential; Affinity column 213(1988)79

Voltammetry; Flow system; Fluorimetry; Bioreactors; Yeasts; High-performance, On-line sensors 213(1988)199

Gas chromatography; Voltammetry; Microbial reaction rates; Sediment suspensions; Apparatus 213(1988)221

Ammonium selective microelectrode; Gradients in immobilized urease 213(1988)259

Flow system; Conductometry; Spectrophotometry; Fluorimetry; Automated micro batch analyser; Microcomputer control 214(1988)107

Flow system; Chlorine; Waters 214(1988)349

Flow system; Computerised data-acquisition; Multi-ion sensor cell 214(1988)359

Flow system; Ammonia; Hydrazine; pH; Power plant steam cycle 214(1988)367

Bromide; Silver complexes stability constants; Thiocyanate; Monte Carlo methods 215(1988)187

Flow system; Cyanide; Heterogeneous membrane electrodes; Gas diffusion 215(1988)283

Cation selectivity of crown ethers; 13-Crown-4 and bis(13-crown-4) derivatives 215(1988)289

Field-effect transistor; Hypoxanthine sensor; Uric acid; Amorphous silicon 215(1988)301

Ion-selective electrode mechanisms 216(1989)163

Fluorimetry; Calcium-selective optrode; Langmuir-Blodgett film 217(1989)1

Sulphite electrode; Polymeric-membrane 217(1989)123

Choline-sensitive membrane electrode; Phosphatidylcholine; Serum 217(1989)193

Dinitrophenolate electrode; Honey; Reducing sugars 218 (1989)37

Titrimetry; Calcium; Magnesium; Waters 218(1989)47

Monitoring in organic solvents; Enzyme electrode 219(1989)27

Flow system; Ion exchange; Halides 219(1989)55

Kinetic analysis; Pharmaceuticals; Phytic acid; Urine; Crystalline growth of calcium oxalate 219(1989)89

Voltammetry; Computerised system; Nickel; Chronopotentiometric experiments 219(1989)105

Potassium selective electrode; Ultraviolet laser cured membrane 219(1989)135

Potassium selective electrode; Comparison, Monoaza crown ethers, plasticizers 219(1989)141

Titrimetry; Calcium; Oil-based drilling fluids 219(1989)147

Titrimetry; Boron; Metal borides; Multiparametric curve-fitting 219(1989)273

Kinetic analysis; Cephalexin; Cetyltrimethylammonium bromide; Pharmaceuticals; Sulphamethizole; Micellar catalysis 219(1989)295

Ammonia; Gas-permeable tubular membrane 219(1989)309

Fluoride; Ores; Slags; Direct fusion 219(1989)335

Nitrate-selective microelectrodes; Sediments 219(1989)351

Least-squares evaluation; Linearized equations; Metal/ligand equilibrium 220(1989)145

Titrimetry; Lanthanide complexation; trans-1,3-Cyclopentanediaminotetraacetic acid 220(1989)187

Flow system; Photographic fixers; Silver; Indirect 220(1989)287

Neutral carrier; Ion selectivity coefficient, Ion-selective electrode 221(1989)117

Flow system; Octadecyl isonicotinate; Tridodecylamine; Neutral carrier 221(1989)139

Biosensor; Creatinine; Urea; Enzyme field-effect transistor, Ion-selective electrode 221(1989)157

Titrimetry; (Iodimetry) 221(1989)341

Glutamate oxaloacetate transaminase; Glutamate pyruvate transaminase; Pyruvate; Pyruvate oxidase; Enzyme electrode 222(1989)83

Ion exchange; Liquid chrom.; Alkali metal ion; Potassium ion; Valinomycin; Replacement ion chromatography 222(1989)95

Ion exchange; Liquid chrom.; Ion chromatography, Silver/silver bromide electrode 222(1989)109

Barium; Ion-selective electrode 222(1989)211

Naphtho-crown ether; Poly(vinyl chloride); Potassium; Ionophore 222(1989)253

Flow system; pH; Field effect transistor 222(1989)373

Titrimetry; Liquid-propulsion system 222(1989)379

Titrimetry; Thermom. analysis; Computer program 222(1989) 385

Algorithm; Equilibrium constant 223(1989)419

Liquid junction; pH 223(1989)441

Lanthanum polyalkoxylate complex; Plasticizer; Poly(vinyl chloride) 223(1989)449

Polarography; Bromopyridinium ion; Dissociation constant 224(1989)109

Cobalt phthalocyanine; Phosphate; Poly(vinyl chloride); Coated-wire/field-effect transistor 224(1989)145

Kinetic analysis; Lactose; Sucrose; Periodate-selective electrode 224(1989)159

Control chart; Gas-sensor; Semiconductor 225(1989)89

Concentration cell; Fluoride; Standard addition 225(1989)97

Flow system; Metal cyanide complex; Silver electrode 225 (1989)105

Titrimetry; Gran plot 225(1989)205

Penicillin; Penicillin amidase; Sensor; Field effect transistor 226(1989)87

Titrimetry; Diquat; Ion-pair; Paraquat; Bisquaternary cation 226(1989)177

Flow system; Gradient chamber 226(1989)229

Flow system; Acidity constant; Gradient chamber; Weak acid 226(1989)239

Sensor; Textile material; Microelectrode 226(1989)247

Spectrophotometry; Stability constant 226(1989)323

Kinetic analysis; Ascorbic acid; Biotin; *N*-bromosuccinimide; Pyridoxine hydrochloride; Thiamine hydrochloride 227(1989) 405

Ion exchange; Ferrocene; Glucose; Glucose oxidase; Siloxane polymer 228(1990)23

Biosensor; Immobilization; Coated-wire electrode 228(1990) 159

Lead; Liquid-liquid interface; Neutral carrier 228(1990)241 pH; Ion-selective electrode 229(1990)153

Bacteria; Immobilization; Lysine; Lysine decarboxylase; Sensor; Calcium alginate 229(1990)197

Calcium carbonate; Crystal growth; Phosphate; Urine 229 (1990)249

Autoprotolysis constant; Ternary solvent; Water-dioxanemethanol 229(1990)261

Poly(hydroxyethyl methacrylate); Sensor; Silylation; Semiconductor, Ion-sensitive field effect transistor 230(1990)59

Hydrophobic polymer; pH; Potassium; Ion-sensitive field effect transistor 230(1990)67

Enzyme immunomicrosensor; Immunoglobulin; Ion-sensitive field-effect transistor 230(1990)189

Liquid membrane electrodes; Perchlorate; Ion-pair complexes 231(1990)69

Potassium; Blood; Serum; Ion-selective electrodes; Silicon rubber tubular electrode, Valinomycin-treated 231(1990)125

Ion-selective electrodes; Copper; Iodide; Silver sulphide-based 231(1990)137

Ion-selective electrodes; Trifluoroacetophenones; Anion selectivity; Neutral ionophores, Solvent-polymeric membranes 233(1990)41

Flow system; Cyanide; Silver-wire electrode; Gas-diffusion separation; Membrane barrier, Selectivity 233(1990)77

Calcium; Serum; Iminodiacetate complexation 233(1990)269

Biosensor; Oxygen electrode; Ag/AgCl anode, Gold anode, Silicon wafer, Miniature Clark-type oxygen electrode, Semiconductor technique 233(1990)275

Flow system; Spectrophotometry; Amperometry; Power plants; Process analysis; Water-steam cycles; pH; Ion-selective electrodes; Control parameters 234(1990)167

Flow system; Diethylbarbiturate; Tubular electrode; Pharmaceuticals 234(1990)221

Diffl. pulse polarography; D.c. polarography; Voltammetry; Controlled potential electrolysis; Aziridinylquinones; Quinones; Bisaziridinylbis(ethoxycarbonylamino)benzoquinone; Diaziquone, Bioreductive alkylating quinones 234(1990)285

Copper electrode 234(1990)331

Conductometry; Titrimetry; Phenolic acids; Triethylamine, Tetrabutylammonium hydroxide 234(1990)339

Ion-selective electrode; Verapamil; Membrane electrode; Ion pair, Reineckate, Dibutyl phthalate plasticizer, Poly(vinyl chloride) 235(1990)461

Ion-selective electrodes; Magnesium; Serum; Automated, Ionized 236(1990)331

Titrimetry; Chromium; Steel; High-alloy, Reference method, Dissolution 236(1990)399

Enzyme reactor; Pyridostigmine; Plasma; Calibration; Optimization 236(1990)431

Acetylcholine; Coated-wire electrode; Biosensors; Enzyme electrodes; Immobilized, Hydrogen ion-selective electrode 236(1990)441

Coated-wire electrode; Charge carrier, Ferrocene, Response time, Selectivity 236(1990)445

Allopurinol; Enzyme electrode; Biosensor; Carbon paste electrode, Xanthine oxidase 237(1990)91

Ion-selective electrodes; Ammonia; Nitrogen; Differential, Membrane, Gas-sensing 237(1990)115

Ion-selective electrodes; Phosphate glasses; Silver chloride; Alkali metal-free, Anion-selective, Ion chromatography, Electron probe microanalysis 237(1990)135

Ion-selective electrodes; Fluoride; Waters; Complementary metal oxide semiconductor device, Automated monitor, Battery operated 237(1990)345

Enzyme electrodes; Urea; Metal-metal oxide, Tungsten 237 (1990)399

Titrimetry; Oxygen; Superconductors; x in YBa₂Cu₃O_{6.5+x} 237(1990)421

Proteins; Immunological field-effect transistor; Donnan potential, Charge 238(1990)323

Ion-selective electrodes; Alkali metals; Alkaline earth metals; Polyacrylamide membrane, Acyclic poly(oxyethylene)neutral carriers, Thermodynamics 238(1990)351

Ion-selective electrodes; Membrane electrodes; Pharmaceuticals; Pancuronium; Tubocurarine; Gallamine; Succinylcholine; Muscle relaxants 238(1990)405

Ion-selective electrodes; Prussian blue; Potassium; Thin films, Membranes 239(1990)7

Peptides; Enzyme electrode; Coated-wire electrode, Trypsin, α -Chymotrypsin 239(1990)13

Amino acids; Tyrosine; Phenylalanine; Membrane electrodes; Enzyme reactions; Decarboxylase 239(1990)23

Spectrophotometry; Monte Carlo simulation; Precision, Data acquisition, Optimization 239(1990)53

Flow system; Spectrophotometry; Voltammetry; Detectors; Ion-sensitive field effect transistors; Impulse-response functions 239(1990)245

Enzyme electrodes; Tungsten electrode; Urea; Immobilized, Urease 239(1990)269

Chromatography; Flow system; Ion exchange; Ion-selective electrodes; Calcium 242(1991)65

Array electrodes; Alkali metals; Prussian Blue coating, Interdigitated, Chemiresistors 242(1991)249

Biosensors; Chemoreceptors; Trimethylamine oxide; Crab antennular receptrodes; Hawaiian crabs 243(1991)157

Enzyme electrodes; Lactate; Flavocytochrome b_2 ; Reagentless, Electrocatalytic oxidation 243(1991)167

Flow system; Organic compounds; Nickel oxide electrode 243(1991)279

Ion-selective electrodes; Potassium; Glassy carbon, Co-balt(II)-hexacyanoferrate(III) film 244(1991)39

Ammonia; Ion-selective electrodes; Air 244(1991)179

Titrimetry; Semiconductors; Gallium arsenide; Stoichiometry; Arsenic 244(1991)247

Titrimetry; Superconductors; Stoichiometry; Copper, Oxygen content, YBa₂Cu₃O_v 244(1991)253

Iron; Foods; Derivative adsorption, 2-(5'-Bromo-2'-pyridylazo)-5-dimethylaminophenol 245(1991)77

Brønsted acids; Dissociation constants; Polyaza macrocycles; Polyoxa-polyaza macrocycles; Water, Deuterium oxide 245 (1991)271

Algorithms; Standard additions 245(1991)283

Iodide; Ion-selective electrodes; Poly(methylthiophene) conducting film; Graphite-coated electrode 248(1991)163

Ion-selective electrodes; Water hardness; Neutral carrier 248 (1991)177

Chloride; Ion-selective electrodes; Nitrate; Waters; Remote analysis station, Coated-wire 248(1991)285

Polarography; Cadmium; Coated-wire electrodes; Ion-selective electrodes; Neutral carrier, 4,4'-di(5-nonyl)-2,2'-bipyridine, Selectivity coefficients 248(1991)315

Alcohols; Membrane sensors; Potassium; PVC-valinomycin 248(1991)323

Flow system; Amperometry; Air; Chlorine; Gas detection; Hydrogen chloride; Continuous monitoring 248(1991)391

Titrimetry; Conductimetry/oscillometry; Mesoionic compounds; Photographic additives; Silver complexes; Triazolium thiolate complexes; Stability constants, Ostwald ripeners 248 (1991)603

Antibody-based biosensors; Biosensors; Immunoglobulins; Receptor-based biosensors; Serum 249(1991)67

Immunoassay; Biosensors; Capacitance; Enterotoxin B; Semiconductors; Toxins; Antibody fixation, Grafted immunospecies 249(1991)367

Ammonia membrane electrode; Biosensor; Enzyme electrodes; Serum; Urea; Urease electrode; Activated poly(vinyl alcohol), Immobilized 249(1991)387

Enzyme electrodes; Fermentation broth; Milk; Penicillin; Glass pH electrode, Penicillinase 249(1991)405

Titrimetry; Hydrogen bonding; Schiff bases; Half-neutralization potentials, Perchloric acid titration 249(1991)427

Principal component analysis

Electrotherm. atomization; At. abs. spectrometry; Milk; Trace metals; Cow 201(1987)253

Emission spectrometry; Plasmas; Inductively-coupled 206 (1988)203

Electrotherm. atomization; At. abs. spectrometry; Mussels; Trace elements; Polluted and unpolluted 220(1989)135

Gas chromatography; Dinoflagellate toxin; Mussel 222(1989)35

I.r. spectrometry; Discriminant analysis, Multiple regression 223(1989)75

Mass spectrometry; Expert system; Toxic compounds 223 (1989)105

N.m.r. spectrometry; Hydrocarbon mixture 223(1989)123

Pattern recognition; Pharmaceutical analysis 223(1989)149

Pattern recognition; Data bank; Food chemistry 223(1989)223

Pattern recognition; Glass technology; Photochromic material 223(1989)247

Spectrophotometry; Titrimetry; Copper; Ethanolamine; Salicylate 223(1989)257

Mass spectrometry; Spruce needle; Thermal degradation; Air pollution 223(1989)371

X-ray fluores. spectrometry; Glass-making 225(1989)69

Crude oil; Paraffin inhibitor; Oil additive 229(1990)267

Multivariate component analysis; Partial least squares; Trace metals; Tungsten wire 241(1990)147

Pattern recognition; Mass spectrometry; Molecular speciation; Microparticles; Canonical discriminant analysis; Nickel compounds; Laser microprobe 243(1991)139

At. abs. spectrometry; Oysters; Trace metals 248(1991)51

Chemometrics; Cluster analysis; Ethanol; Partial least squares; Solvent identification; Tin oxide thin-film sensor array 250 (1991)257

R

Radiometry

Fluorimetry; Aminosilane; Protein; Thermally pretreated glass 228(1990)107

Raman spectrometry

Chlorinated pesticides; Surface-enhanced 206(1988)333

Organic compounds; Surface-enhanced, Silver-coated filter paper 208(1988)21

Voltammetry; Electrochemical mechanism elucidation; Realtime surface-enhanced, Linear-sweep 212(1988)201

Ethanol; Fermentation process; Fructose; Glucose; Fibre-optic system 215(1988)211

Dye; Silver colloid; Surfactant; Surface-enhanced 225(1989) 227

Silver substrates; Aminoacridine; Surface enhanced, Filterpaper, Silver membrane, Glass slide 237(1990)439

X-ray photoelectron spectroscopy; Auger electron spectroscopy; Tin; Antitarnish film; Ethylenediaminetetra(methylidenephosphonic acid) 238(1990)399

Calibration; Carbon; Peak temperature history; Carbon phenolic heat-shields, Multivariate, Loading vectors 240(1990)35

I.r. spectrometry; Mirex; Pesticides; Hydrogen-substituted degradation products 240(1990)41

Laser; Iron electrodes; Microprobe spectroscopy 240(1990)87

Poly(vinyl chloride); Polyene sequence length; Dehydrochlorination; Resonance, Nickel(II) maleate 240(1990)97

Continuum resonance Raman scattering; Diatomic molecules; Halogens; Unimolecular dissociation 240(1990)119

I.r. spectrometry; Pressure tuning vibrational spectroscopy; Hydrostatic pressure, Sodium and potassium decanoate 240 (1990)151

β-Cyclodextrin 240(1990)225

I.r. spectrometry; Near infrared; Fourier transform 240(1991) 239

I.r. spectrometry; Benzodiazepines; Nitrazepam; Nimetazepam; Clonazepam; Flunitrazepam; Fourier transform 240 (1991)287

Ethylaluminium dichloride; Molten salts; Organochloroaluminate; Room temperature 240(1991)299

I.r. spectrometry; Methylbut-1-yne; Dimethylbut-1-yne 240 (1991)317

Spectrophotometry; Flow system; Dimethyldiphenylbenzidine; Electrolysis; Electrooxidation; Homogeneous solution, Timeresolved 240(1991)329

Curing reactions 240(1991)339

I.r. spectrometry; 4,4-Dimethyl-2-pentyne 240(1991)389

I.r. spectrometry; Dimethylethyleneurea; Dimethylimidazolidinone; Deuterated 240(1991)395

Tripeptides; Surface enhanced, Colloidal silver 246(1991)75

Flow system; Fluorimetry; Spectrophotometry; I.r. spectrometry; Mass spectrometry; Molecular spectroscopic detection; Sample introduction 250(1991)157

Reflectance spectrometry

Spectrophotometry; Immobilized acid-base indicators; Diffuse 207(1988)343

Calcium ion sensor; Optical sensor; Chromogenic crown ether 213(1988)251

Flow system; Creatinine; Serum; Gas diffusion 214(1988)147

Opto-acoustic spectroscopy; Silica with hydroxamic acid groups; Synthesis 219(1989)201

Fluorimetry; Fibre optic; In situ; Poly(vinyl chloride); Sensor; Trinitrotoluene 221(1989)1

Ring oven

Review 202(1987)25

S

Spectrophotometry

Electrotherm. atomization; Fuel oils; Sulphur; Carbon sulphide molecules 201(1987)59

Flow system; Hydrogen peroxide; Seawater; Reagent-injection 201(1987)83

Nitric acid; Transport behaviour; Ultracentrifuge; Water; Tributyl phosphate/n-dodecane mixtures 201(1987)135

Salicylic acid; Savitzky-Golay smoothing; Second-derivative 201(1987)301

Flow system; Fluorimetry; Europium; On-line reduction 201 (1987)339

Flow system; Copper; Microemulsions 201(1987)345

T.l.c.; Isoniazid; Pharmaceuticals; Second-derivative, Scraped-spot 201(1987)357

Flow system; Etoposide; On-line electrochemical derivatization; Plasma; Teniposide; Diode-array detection 202(1987)35

Coulometry; Titrimetry; Amperometry; Cell design 202(1987) 75

Gel perm. chromatography; Copper/flavonoid complexes; Vegetables 203(1987)23

Foods; Phosphate; Stopped-flow, Time-difference 203(1987)35

Experimental design; Niobium; Differential 203(1987)67

Flow system; Kinetic analysis; Paracetamol; Single bead-string reactor; Optimization 204(1988)29

Flow system; Ion exchange; Arsenate; Phosphate; Silicate 204(1988)53

H.p.l.c.; Calcium; Magnesium; Water; Post-column reaction 204(1988)87

Alkaline earth ions; Crown ether dyes; Extraction; Synthesis 204(1988)113

Flow system; Molasses; Sucrose; Sugar-cane juice 204(1988)

Data-acquisition schedules; First-order decay of an absorbing species; Optimization 204(1988)295

Colour changes of indicators; Computer program 204(1988)311

Emission spectrometry; Plasmas; Silica speciation; Waters; High-purity, Inductively coupled 204(1988)339

Hydrogen peroxide 204(1988)349

Chemical reagents; Manganese; Plants 204(1988)355

Catalysts; Extraction; Rhenium; Microcrystalline benzophenone 204(1988)359

Extraction; Niobium; Steels 204(1988)365

Chemiluminescence; Bis(2,4-dinitrophenyl)oxalate degradation 205(1988)207

Kinetic analysis; Bromide; Waters 206(1988)273

Ion exchange; Conductometry; H.p.l.c.; Anions; Waters; Tiron eluent 206(1988)281

Organophosphorus pesticides; Waters; Oxygen-flask combustion 206(1988)299

Flow system; Acids; Bases 206(1988)313

Barium; Extraction; Geological samples 206(1988)363

Experimental design; Multicomponent determinations 207 (1988)125

Extraction; Trace metals; Waters; 1,3-Dimethyl-4-acetyl-2-pyrazolin-5-one 207(1988)137

Kinetic analysis; Nuclear fuels; Technetium; Vegetation 207 (1988)233

Flow system; Aluminium; Waters 207(1988)337

Reflectance spectrometry; Immobilized acid-base indicators; Diffuse 207(1988)343

Extraction; Palladium 207(1988)373

Kinetic analysis; Competitive binding; Riboflavin; Urine; Homogeneous enzyme-linked 208(1988)31

Kinetic analysis; Biotin; Competitive binding; Vitamin tablets; Homogeneous enzyme-linked 208(1988)43

Fluorimetry; Ammonium; Urine; Gas-diffusion membrane, pH indicator 208(1988)81

Extraction; Steels; Tungsten 208(1988)91

Flow system; Animal tissues; Creatine 208(1988)307

At. abs. spectrometry; Extraction; Sulphide; Fluoride; Phosphate 208(1988)313

Flow system; Chlorine; Waters; Residual 208(1988)317

Coulometry; Hydrolysis of complex ion; Spectrocoulometric study; Tris(1,10-phenanthroline)iron(III) 209(1988)87

Flow system; Conductometry; Critical micelle concentrations; Surfactants; Ionic, Nonionic 209(1988)111

Flow system; Gas-diffusion flow-injection; Optimization 209 (1988)157

Ampicillin; Cloxacillin; Derivative spectroscopy; Pharmaceuticals 209(1988)175

Minerals; Steels; Vanadium; With methoxypromazine maleate 209(1988)293

Flow system; Biological tissues; Phosphorus; Aluminium block digestion 209(1988)299

Ascorbic acid; Pharmaceuticals 209(1988)309

Chromium; Hydrogen peroxide interference, Diphenylcar-bazide 209(1988)315

Chloramines; Chlorine; Ultraviolet absorption spectra; In carbon tetrachloride 209(1988)321

Germanium; Rocks; Adsorption on Sephadex 209(1988)333

Flow system; Multicomponent determinations; Partial least squares modeling 211(1988)1

Flow system; Monosaccharides; Strongly oxidizing agents; Manganese(VI), Copper(III) 211(1988)99

Phosphorus; Waters; Vanadomolybdophosphate 211(1988)119

Ion exchange; Boron; Geological materials 211(1988)243

Flow system; Alcoholic beverages; Enzyme reactor; Glucose; NADPH formed 211(1988)281

Humic substances; Iron; Waters 211(1988)293

Bismuth; Copper-base alloys; Extraction 211(1988)305

Niobium; Reversed matrix representation; Tantalum; Multicomponent mixtures 212(1988)145

Kinetic analysis; Cobalt; Nickel; Resolution of binary mixtures; Interpolation 212(1988)223

Flow system; Copper; Wave-guide capillary cell 212(1988)245

Titrimetry; Antipyrinylazo and thiazolylazo compounds; Bismuth; Copper; Synthesis 212(1988)253

Hydrocortisone; Prednisolone; Tetrazolium salt 212(1988)273

Kinetic analysis; Thiobenzamides; Catalysis, Partition coefficients 212(1988)279

Flow system; Calcium; Magnesium; Waters; Simultaneous 212(1988)291

Kinetic analysis; Ethanol; Fermentation media; Glucose; Enzymatic 213(1988)61

Flow system; Dispersion behaviour; Impulse/response functions; Fourier algorithm 214(1988)77

Flow system; Biotechnology assays; High-sensitivity flow injection; Macromolecules 214(1988)87

Flow system; Dispersion 214(1988)97

Flow system; Conductometry; Potentiometry; Fluorimetry; Automated micro batch analyser; Microcomputer control 214 (1988)107

Flow system; Ion exchange; Ammonium ions; Gas-diffusion separation 214(1988)121

Flow system; Chemiluminescence; Lactic acid fermentations; In-line monitoring 214(1988)137

Flow system; Fluorimetry; Enzyme reactor; Ethanol; Linear and cyclic 214(1988)161

Flow system; Iron; Nickel; Doublet peaks 214(1988)197

Flow system; Amines; Nitrite; Aromatic primary 214(1988)207

Flow system; Ion exchange; Copper; Integrated reaction, Unsegmented 214(1988)217

Flow system; Capillary digestor; Phosphorus; Waters 214 (1988)229

Kinetic analysis; Flow system; Ion exchange; Molybdenum; Plants 214(1988)239

Flow system; Molasses; Sucrose; Sugar-cane juice 214(1988) 247

Flow system; Cyanide; Microporous membrane; Thiocyanate 214(1988)259

Flow system; Catalysts; Dental alloys; Palladium 214(1988)271

Flow system; Ion exchange; Geological samples; Preconcentration; Uranium 214(1988)279

Flow system; Extraction; Potassium; Sodium; Waters; Silica column 214(1988)289

Flow system; Membrane-separation; Trace organic compounds 214(1988)299

Flow system; Octanol-water partition coefficients; Dialyzer 214(1988)315

Flow system; Large-bore systems 214(1988)391

Flow system; Electrolytic dissolution; Molybdenum; Steels 214(1988)397

Flow system; Ammonia; Field monitor; Waters 214(1988)401

Flow system; Fluoride 214(1988)433

Flow system; Brine; Calcium; Magnesium; Preconcentration 214(1988)439

Flow system; Chloride; Detection limit 214(1988)447

Flow system; Glucose; Plasma 214(1988)455

Ion exchange; At. abs. spectrometry; Manganese metal; Trace elements 215(1988)111

Cinchona alkaloids; Chiral organic anion extractants; Extraction; Ion-pair 215(1988)119

Formaldehyde; Using formaldehyde dehydrogenase 215 (1988)249

Flow system; Membrane reactor; Pulsed reagent introduction 215(1988)277

Ion exchange; At. abs. spectrometry; Manganese metal; Trace elements 215(1988)317

Hydrogen peroxide; Hydroperoxyl ion; Molar absorptivities 215(1988)325

Ozone; Waters; Indirect 215(1988)353

Flow system; Enzymatic assays; Review 216(1989)257

Flow system; Amperometry; Review; Unstable reagents 216 (1989)289

Flow system; Kinetic analysis; High-purity chemicals; Manganese; Catalytic effect 217(1989)23

N.m.r. spectrometry; I.r. spectrometry; Calcichrome structure 217(1989)31

Air; Organophosphorus compounds; Inhibition of cholinesterases 217(1989)43

Flow system; Perchlorate; With Brilliant Green 217(1989)177

Flow system; Permanganate 217(1989)183

Optical membrane; Trinitrotoluene; Waters; Clear, Aminecontaining poly(vinyl chloride) 217(1989)217

Flow system; Proteins 217(1989)359

Extraction; Palladium 218(1989)111

Flow system; Body fluids; Urea; Urease reactor 218(1989)151

Amines; Primary and secondary aliphatic 218(1989)157

Gas chromatography; H.p.l.c.; Tetraalkylammonium sulphonates 218(1989)241

Flow system; Enzyme reactor; Glucose; Characterization of activity 218(1989)291

Kinetic analysis; Flow system; Self-modeling curve resolution 218(1989)303

Kinetic analysis; Acetaminophen; Pharmaceuticals 218(1989)

Extraction; Hydrogen peroxide 218(1989)331

Carboxyl groups; Polymers 219(1989)161

Extraction; Iron; Molten biphenyl/naphthalene 219(1989)171

Flow system; Iron; Waters; Wine; Integrated retention 219 (1989)231

Extraction; Fabric conditioners; Hair conditioners; Quaternary ammonium salts; Tertiary alkylamines 219(1989)239

Extraction; Molybdenum; Steels 219(1989)323

Flow system; Fluoride; Waters 219(1989)329

Flow system; Iron; Waters; Sandwich techniques 219(1989)345

Flow system; Dispersion parameters; Prediction 220(1989)43

Flow system; Organic solvents; Water traces 220(1989)55

Flow system; Cyanide; Thiocyanate 220(1989)65

Flow system; Parenteral solutions; Sodium hydrogensulphite 220(1989)281

Flow system; Carboxylic acid; Food; Soil; Citric acid 221 (1989)19

Aluminium; Ethyl tetrabromophenolphthalein; Nickel ion; Pyridyldiphenyltriazine; Steel 221(1989)109

Ammonium ion; Indophenol blue; Salicylate, Nitroprusside 221(1989)147

Flow system; Ammonia; Urea 221(1989)173

Germanium; Phenylfluorone 221(1989)183

Coulometry; Voltammetry; Bicinchoninic acid; Protein 221 (1989)223

Physicochemical experiment; Rate constant 221(1989)319

Flow system; Controlled-pore glass; Malate dehydrogenase 221(1989)337

Hydrogen cyanide; Impregnated bead detector; Sensor 222 (1989)63

Flow system; Calcium; Lanthanum 222(1989)205

Crown ether; Thallium 222(1989)215

Flow system; Fungicide; Malachite green; Manganese ethylenebisdithiocarbamate; Periodate 222(1989)269

Multicomponent analysis; Rare earth elements; Simplex method 222(1989)323

Fourier-transform filter; Polynomial filter; Savitzky-Golay filter 222(1989)335

Multicomponent analysis; Precision, Accuracy 222(1989)347

Principal components; Titrimetry; Copper; Ethanolamine; Salicylate 223(1989)257

Factorial design; Hydrogen peroxide; Oxalic acid 223(1989)283

Arylamine; Micelle; Sulphonamide; Diazotization, Pharmaceutical preparation 223(1989)327

Binary mixture; Derivative spectrum 223(1989)395

Aluminium; Simplex optimization 223(1989)403

Flow system; Calcium; Magnesium; Diode-array, Arsenazo 224(1989)23

Benzodiazepine; Microwave oven; Benzophenone 224(1989) 123

Kinetic analysis; Ascorbic acid; Hexacyanoferrate 224(1989) 211

Kinetic analysis; Acetaminophen; Iron complex; Serum, Pharmaceutical preparation 224(1989)339

Kinetic analysis; Haemoglobin; Methaemoglobin; Whole blood 224(1989)351

Kalman filter; Matrix effect; Simplex optimization 225(1989)37

Flow system; Kinetic analysis; Hydrazine; Phenylhydrazine; Diode-array 225(1989)115

Flow system; Cobalt; Ethylenebis(triphenylphosphonium) cation; Extraction 225(1989)123

Liquid chrom.; Ergosterol; Yeast cells 225(1989)129

Liquid chrom.; T.l.c.; Carazolol; Pig kidney; Tranquillizer 225(1989)137

Flow system; Dichromate; Extraction; Tetramethylenebis(triphenylphosphonium) cation 225(1989)241

Flow system; Ion exchange; Nitrate 225(1989)331

Flow system; Chlorate; Chlorite 225(1989)437

Flow system; Bismuth; Tetramethylenebis(triphenylphosphonium) cation 225(1989)449

Kinetic analysis; Micelle; Iron; Pyrocatechol violet complex 226(1989)137

Copper complex; Optical waveguide; Sensor; Sulphur dioxide 226(1989)153

Dextromethorphan hydrobromide; Pharmaceutical preparation; Phenylpropanolamine hydrochloride; Second-derivative 226(1989)159

Caustic scrubbing liquor; Mercaptan; Sulphide; Simultaneous determination 226(1989)165

Flow system; Boron; Soil; Ultrasonic leaching 226(1989)221

Extraction; Hydroxyquinoline; Multicomponent analysis; Trace metals 226(1989)271

Dinitrocatechol; Flotation separation; Niobium; Oxalate; Rhodamine B 226(1989)281

Artists' paint; Organic pigment; Derivative, Reflectance 226 (1989)293

Potentiometry; Stability constant 226(1989)323

Chemiluminescence; Immunoassay; Nortestosterone; Enzyme 227(1989)109

Flow system; Field monitor; Nitrate; River water 227(1989)379

I.r. spectrometry; Chlorotriazine; Immobilization; Silica gel; Trihydroxyazobenzene; Diffuse-reflectance 228(1990)235

Bromopyridylazodiethylaminophenol; Nuclear reprocessing; Uranium 228(1990)279

Flow system; Sulphate; Water 228(1990)287

Kinetic analysis; Copper; Hydroxybenzaldehyde azine 229 (1990)107

Acidity; Kinetics; Molybdate; Phosphoantimonylmolybdenum blue 229(1990)115

Quaternary ammonium cation; Tetraiodopalladate; Liquid-liquid distribution 229(1990)121

Flow system; Multi-component analysis; Nitrophenylhydrazine; Diode-array 229(1990)177

Liquid chrom.; Dermatological preparation; Tolnaftate; Undecenoic acid 229(1990)255

Titrimetry; Fibre optic; pH; Sensor; Acid-base 230(1990)35

Flow system; Kinetic analysis; Iron; Leucomalachite green; Peroxodisulphate 230(1990)113

Flow system; Aluminium; Xylenol orange; Zinc; Light emitting diode 230(1990)125

Kinetic analysis; Biacetyl; Serum; Urea 230(1990)145

Flow system; Crown ether; Extraction; Lead; Preconcentration 230(1990)157

Flow system; Biosensor; Immobilized enzyme 230(1990)199

Alcohols; Phase-transfer catalysis; Dithiocarbonate 230(1990) 203

Flow system; pH; Waters; Lake, Dye reagents 231(1990)21

Tantalum; 4,5-Dibromo-o-nitrophenylfluorone 231(1990)101

Flow system; Ethanol; Blood; Enzyme reactor; Dialyser; Immobilized, Alcohol dehydrogenase 231(1990)115

Alkylchloramines; Chloramines 231(1990)161

Flow system; Biological membranes; Proteins; Peptides; o-Phthaldialdehyde, Post-column reaction, Subcellular particles 231(1990)249

Fluorimetry; I.r. spectrometry; N.m.r. spectrometry; Fulvic acids; Laurentian, Colour origin 232(1990)43

Clostridiopeptidase A; Collagenase; Enzyme amplification; Solid-supported, Single-enzyme, Multi-enzyme 232(1990)273

Flow system; Acetyl-coenzyme A; Immobilized, Phosphotransacetylase, CoA-SH, Ellman's reagent 232(1990)281

Flow system; Rhenium; Extraction; Crown ethers; Potassium perrhenate, Brilliant Green 232(1990)287

Waters; Sea water; Nitrite; Azo dyes; Formation kinetics, N-1-Naphthylethylenediamine, Sulphanilamide 232(1990)345

Selenium; Catalysis; Resazurin reduction, Sulphide 232(1990) 351

Chromatography; Copper; Zinc; Cadmium; Preconcentration; Extraction; Reversed-phase partition, 2-(5-Bromo-2-pyridylazo)-5-dimethylaminophenol stationary phase 232(1990)393

Theobromine; Caffeine; Cocoa beans; Chloroform extraction 232(1990)409

Flow system; Kinetic analysis; Reserpine; Catalysts; Manganese; Continuous-flow analysis, Manganese oxide reactor 233(1990)235

Derivative spectroscopy; Sulphonamide; Pharmaceuticals; Bratton-Marshall reaction, Urine, Honey 233(1990)289

Flow system; Liquid chrom.; Mass spectrometry; Extraction; Organic pollutants; Pesticides; Chlorinated phenoxy acids; Waters; On-line continous-flow, Organophosphorus 234 (1990)119

Flow system; Capillary flow cell; Pesticides; Optical fibres 234(1990)141

Flow system; Schlieren effect; Diode-array, Dual-wavelength 234(1990)153

Flow system; Amperometry; Potentiometry; Power plants; Process analysis; Water-steam cycles; pH; Ion-selective electrodes; Control parameters 234(1990)167

Liquid chrom.; Amperometry; Coulometry; Thienodiazepines; Pharmaceuticals 234(1990)175

Flow system; Boron; Waters; Preconcentration; Azomethine-H complex 234(1990)199

Computer program; LESSDAD, Least squares 234(1990)381

Copper; Alkanohydroxamic acids; Computer program; LESS-DAD, Least squares 234(1990)387

Diode-array UV-visible spectrophotometer; Precision 234 (1990)395

Kinetic analysis; Nitrite; Water; Food; Sausage, Potassium bromate, Thionine 234(1990)403

Flow system; Phosphorus; Waters; Photodiode detector, Simplex reagent optimization, Silicate interference, Molybdophosphate 234(1990)409

Enzyme reaction; Aspartame; Food; Peptidase cleavage, Glutamate oxidation 234(1990)465

Rare earth elements; Chromogenic reagents; Ill-conditioned system calibration; Calibration 234(1990)483

Liquid chrom.; Amperometry; Copper; Iron; Waters; Biological materials; Extraction; Cupferron derivatization 235 (1990)279

Turbidimetry; Lignin; Proteins; Wood 235(1990)299

Microemulsions; Aniline; Vegetable oils; Diazotization, Coupling, Phase diagrams, Corn oil 235(1990)317

Flow system; Kinetic analysis; Manganese; Waters; Stopped-flow method, Gradient calibration 235(1990)323

Flow system; Lysine; Amino acids; Enzyme reactor 235(1990)

Flow system; Computer simulation; Error analysis; Signal processing; Iron(II)-o-phenanthroline, Azo dye 235(1990)337

Thermal lens; Argon ion laser, Helium-neon laser, Multi-wavelength 235(1990)445

Potassium; Ion sensor; Lipophilic anionic dye; N-2,4-Di-nitro-6-octyloxyphenyl-2',4'-dinitro-6'-trifluoromethylphenylamine, Neutral ionophore, Dibenzo-18-crown-6, Valinomycin 237 (1990)155

Kinetic analysis; Vanadium; Micellar catalysis, Chemical catalysis, p-Phenetidine, Catechol, Bromate oxidative coupling, Cetylpyridinium chloride surfactant 237(1990)207

Spectral library search; Singular valves, Eigenvectors, Spectral subtraction 237(1990)223

Copper; Tetrathio ethers, cyclic; Extraction; Liquid-liquid 237(1990)245

Rocks; Minerals; Phosphorus; Decomposition, Room temperature 237(1990)251

Kinetic analysis; Sulphonamides; Pharmaceuticals; Azo dye, Continuous addition of reagent 237(1990)353

Flow system; Polyamines; Amine oxidases; Enzyme reactor; Cells; Immobilized, Hydrogen peroxide, Sepharose 237(1990) 391

Gold; Extraction; Ores; Amidines; Methylene blue, Diphenylbenzamidine 237(1990)491

Flow system; Chemiluminescence; Enzyme reactions; Glucose; Serum; Mimetic peroxidase, Hydrogen peroxide, Luminol 237(1990)497

Flow system; Urea; Enzyme reactor; Serum; Gas diffusion, Urease 237(1990)503

Process analysis; Cyanide; Membrane separation; Ores; Metallurgical samples; PTFE membrane, HCN diffusion 238 (1990)117

Flow system; Sulphite; Brine; Potassium chloride; Process analysis; 5,5'-Dithiobis(2-nitrobenzoic acid) 238(1990)171

Flow system; Aluminium; Waters; Pyrocatechol violet, Field monitor 238(1990)177

Flow system; Segmental flow injection; Amino acids, Tea, Ammonia, Waters, Copper, Vanadium 238(1990)183

Ion exchange; Chromatography; Aluminium; Preconcentration; Pyrocatechol violet, Aqueous samples 238(1990)279

Flow system; Enzyme reactor; Lactic acid; Glucose; Serum; Sequential determination, Diode-array, Controlled-pore glass, Co-immobilization 238(1990)411

Potentiometry; Monte Carlo simulation; Precision, Data acquisition, Optimization 239(1990)53

Kalman filter; Acidity constants; Multicomponent analysis; Noise removal; Method comparison 239(1990)95

Flow system; Silicate; Waters; Rhodamine B 239(1990)151

Flow system; Flow gradient; Unsegmented flow, Concentration gradient, Metal complexes, Acidity constants 239(1990) 211

Continuous addition of reagent technique; Differential reaction-rate methods; Copper; Iron; Serum; Pyridoxal thiosemicarbazone, Complex formation 239(1990)221

Flow system; Potentiometry; Voltammetry; Detectors; Ionsensitive field effect transistors; Impulse-response functions 239(1990)245

Uranium; Waters; Ion exchange, Arsenazo III 239(1990)321

Raman spectrometry; Flow system; Dimethyldiphenylbenzidine; Electrolysis; Electrooxidation; Homogeneous solution, Time-resolved 240(1991)329

Flow system; Calibration; Interferences; Curvature correction, Gradient ratio calibration, Chloride, Phosphate 241(1990)15

Lasers, tunable diode; Simplex optimization; Nitrogen oxides; Sweep averaging 241(1990)83

Lasers, tunable diode; Nitric acid; Air; Temperature sweep tuning 241(1990)95

Cyanide; Fibre-optic chemical sensors; Metalloporphyrins; Corrins 241(1990)119

Potassium; Cryptahemispheraplexes; Chromogenic, Cryptand, Spherand 241(1990)127

Algorithm, recursive; Signal averaging; Standard deviation 242(1991)17

Stability constants; p-Nitrophenol adducts; Multiwavelength data treatment 242(1991)57

Preconcentration; Trace elements; Copper; Reductive matrix precipitation, Copper oxide, Copper thiocyanate 242(1991)99

Derivative spectroscopy; Dissociation constants; Phenothiazines; Sparingly soluble 242(1991)131

Flow system; Arylamines; Sulphonamides; Diazotization, Coupling, Micellar medium 242(1991)143

Flow system; Kinetic analysis; Fluorimetry; Review; Stopped-flow technique 242(1991)147

Osmium; Flotation; Crystal Violet, Malachite Green 242 (1991)185

Acetylmuramic acid; Hydrolysis, Complex molecules 242 (1991)221

Nitrite; Waters; 3-Nitroaniline 242(1991)225

Titrimetry; Oxalate; Hydrogen peroxide; Thallimetric photochemical oxidation 242(1991)229

I.r. spectrometry; Mass spectrometry; Iron(II) complexes; Ethanedial; Glyoxal; Aminophenanthroline; Carbon paste electrodes; Redox mediators 242(1991)233

Kinetic analysis; Norbornadiene derivatives; Tetraphenylporphinecobalt(II); Photochromism; Porous glass beads, Immobilized 243(1991)97

Substrate-tether systems; Aromatic diazonium ions, Immobilized probe 243(1991)103

Thermal lens; Semiconductor laser; Iron; 2-Nitroso-5-diethylaminophenol 243(1991)109

Flow system; Ascorbic acid; Vitamin C tablets 243(1991)187

Hydrogen peroxide; Enzyme reactions; Glucose; Leuco Patent Blue Violet, Peroxidase 243(1991)217

Waters; Phosphorus; Long capillary cell detector 244(1991)63

Diffuse reflectance; Chlorine; Optical fibre sensor; o-Toluidine, Nylon strip, Dry reagent 244(1991)71

Kinetic analysis; Multi-component analysis; Formaldehyde; Acrolein; Wavelength-pair method, Diode-array detection 244(1991)81

Kinetic analysis; Vanadium; 1,4-Dihydroxyphthalimide dioxime oxidation, Bromate, Vanadium catalysis 244(1991)89

Flow system; Sulphate; Waters; In-line preconcentration, Anion-exchange resin, Methylthymol blue-barium complexation 244(1990)109

Drug-macromolecule binding parameters; Binding parameters; Numerical analysis; Scatchard plot, Phenylbutazone, Oxyphenbutazone 244(1991)145

Cobalt; Derivative spectroscopy; Complexation; Nitropyridylhydrazones 244(1991)223

Kinetic analysis; Osmium; Pyrogallol red oxidation, Bromate, Osmium catalysis 244(1991)231

Kinetic analysis; Amines; Stopped-flow, Dialkyldithiocarbamates 244(1991)239

Copper chelates; Formation constants; Stereoselective adduct formation, α -Acylcamphorato chelates, Chiral Lewis bases 244(1991)289

Zirconium; Hafnium; Extraction; Dicyclohexyl-18-crown-6; Crown ether 245(1991)27

At. abs. spectrometry; Rocks; Geological samples; Microwave acid digestion 245(1991)43

Flow system; Chloride; Bromide; Waters; Mercury(II) and silver thiocyanate minicolumns 245(1991)115

Nitrogen dioxide; Thermal lens; Pulsed carbon dioxide laser, Excimer-laser-pumped 245(1991)191

Time-resolved absorption spectra; Electrolysis; Dichloroanthracene; Xenon pulse-flash lamp, Millisecond reactions 245 (1991)199

Enantioselective optode; Tartrate; 1-Phenylethylamine, Propranolol, Norephedrine 246(1991)251

Air; Fibre-optic sensor; Hydrogen cyanide; Automatic detection, Light-emitting diodes 246(1991)259

Flow system; Dyes; Surfactants; Quaternary ammonium, Sodium dodecyl sulphate 246(1991)333

Borate; Diborane; Hydride generation; Boric acid 246(1991) 413

Acid-base equilibria; Azo dyes; Dissociation constants; Aqueous dimethylformamide 246(1991)429

Amino acids; Dithiocarbamates 246(1991)443

Chemiluminescence; Flow system; Biomass; Fermentation; Glucose; Lactic acid; Lactate; Gradient dilution, Hydrogen peroxide 247(1991)45

Flow system; Enzyme reactor; Malic acid; Wines; Stoppedflow, Malate dehydrogenase, Malolactic fermentation 247 (1991)61

Iron; Sea water; Waters; Ferrozine, Sep-Pak cartridge 247 (1991)125

Flow system; Fluorimetry; Iodate; Iodide; Cerium(IV) catalytic reduction, p-Aminophenol colour reaction 248(1991)219

Ascorbic acid; Dichlorophenolindophenol, Iron interference 248(1991)225

Nitrate; Phosphate; Reference materials; Sea water; Autoclaving 248(1991)277

Chromium; Galacturonic acid; Reduction, Complexes, Stability constants 248(1991)301

Multivariate calibration; Partial least-squares regression; Scaling methods 248(1991)459

Flow system; Extraction; Partition coefficients; Octan-1-ol-water 248(1991)493

Extraction; Vanadium; Adogen-464, Adipate complex 248 (1991)507

Extraction; Membrane filtration; Niobium; Phenylfluorone complex, Zephiramine 248(1991)529

Derivative spectroscopy; Pharmaceuticals; Vitamins; Third-derivative 248(1991)583

Flow system; Bioprocess monitoring; Fermentation; Glucose ammonia proteins; Process analysis; Diode-array, Stoppedflow 249(1991)77

Flow system; Acetate; Fermentation; Phosphate; Process analysis; E. coli 249(1991)101

Flow system; Fluorimetry; Ethanol; Fermentation; Foods; Fruit juices; Glucose; Process analysis; Pullulan; Sucrose; Microorganism filtration unit, Baker's yeast 249(1991)137

Flow system; Aldehydes; Enzyme reactor; Immobilized yeast aldehyde dehydrogenase, Controlled-pore glass 249(1991)145

Furazolidone; Metronidazole; Tablets, K-matrix method 249 (1991)349

Flow system; Turbidimetry; Plant materials; Sulphur; Waters; Two-line manifold 249(1991)479

Emission spectrom.; Geological materials; Plasmas; Silica; Centrifugation, Differentiation of colloidal and dissolved silica, Filtration, Inductively coupled, Tuffs 249(1991)509

Calcium; Magnesium; Waters; PAR complexes 249(1991)513

Chlorine species; Free chlorine; Acid Yellow 17, N,N-Diethyl-p-phenylenediamine, Leuco crystal violet 249(1991)519

Aluminium; Thermal lens; Mode mismatched 250(1991)95

Flow system; Fluorimetry; Raman spectrometry; I.r. spectrometry; Mass spectrometry; Molecular spectroscopic detection; Sample introduction 250(1991)157

T

Thermometric analysis

Aerobic and anaerobic wastewater-treatment; Biological activity; Flow microcalorimetry 213(1988)165

Flow system; Enzyme Reactor; Pyrophosphate; Thermistor 214(1988)409

Potentiometry; Titrimetry; Computer program 222(1989)385

Capillary melting-point apparatus; Calibration; Thermometers; International Temperature Scale, Fluxed highly pure metals 237(1990)241

Process analysis; Biosensor; Enzyme thermistor; Sugars; Glucose, Maltose, Sucrose, Fermentation 238(1990)211

Polarography; Aromatic compounds; Biosensors; Oxygen electrode; *Pseudomonas cepacia*; Calcium alginate gel, Metabolism 249(1991)17

Thin-layer chromatography

Spectrophotometry; Isoniazid; Pharmaceuticals; Second-derivative, Scraped-spot 201(1987)357

Phosphorimetry; Methylumbelliferone; Low-temperature 212 (1988)213

H.p.l.c.; Gas chromatography; Review; Supercritical-fluid 216 (1989)109

Gas chromatography; Mass spectrometry; Pattern recognition; Spatial resolution; Secondary ion, Phase-transition matrix 218(1989)217

Mass spectrometry; Peptides; Steroids; Surface derivatization; Secondary ion 218(1989)231

Amino acid; Optimization function; Multidimensional 223 (1989)411

Kinetic analysis; Amino acid; Ninhydrin 224(1989)315

Liquid chrom.; Spectrophotometry; Carazolol; Pig kidney; Tranquillizer 225(1989)137

Fluorimetry; Phosphorimetry; Amino acid; Coumarinsulphonyl chloride; Ion-pair 227(1989)155

Fluorimetry; Blood; Glutathione 227(1989)203

Chromatography; Sample preparation; Planar chromatography 236(1990)83

Transition metals; Halo complexes, Sulphuric acid 246(1991) 451

Titrimetry

Kinetic analysis; Catalytic end-point detection; Review 202 (1987)1

Coulometry; Spectrophotometry; Amperometry; Cell design 202(1987)75

Basicity; Lysine; Proteins; Nonaqueous 202(1987)159

Coulometry; Potentiometry; Alkali metal halides; Trivalent metal sulphates; Hydrogen/palladium electrode 202(1987)231

Catalytic end-point detection; Chromium; Compleximetric 203(1987)91

I.r. spectrometry; N.m.r. spectrometry; Mass spectrometry; Quinoline derivatives; Oxidation by vanadium(V) 204(1988)77

History of titrimetry 206(1988)97

Potentiometry; Equivalence volumes; Review 206(1988)111

Acid-base; Partial-least-squares 206(1988)125

Voltammetry; Nitrating acids; Process industry 206(1988)137

Anod. stripping voltammetry; Equivalence point 206(1988)153

Beryllium 207(1988)361

Potentiometry; Hexacyanoferrate(II) electrodes; Solid-state 209(1988)345

Potentiometry; Coated wire electrode; Palladium halide complex; PVC membrane, Aluminium 209(1988)357

Potentiometry; Monoaza crown ethers; Complexation properties 211(1988)223

Voltammetry; Complexation in natural waters; Computer simulation of errors; Waters; Stripping 212(1988)1

Potentiometry; Copper interactions with ligands; Humic-like substance, Fulvic acids 212(1988)105

Spectrophotometry; Antipyrinylazo and thiazolylazo compounds; Bismuth; Copper; Synthesis 212(1988)253

Acidity; Rain; Substitution approach 217(1989)303

Potentiometry; Calcium; Magnesium; Waters 218(1989)47

Amperometry; Silver; Square-wave 219(1989)37

Potentiometry; Calcium; Oil-based drilling fluids 219(1989)147

Potentiometry; Boron; Metal borides; Multiparametric curvefitting 219(1989)273

Potentiometry; Lanthanide complexation; *trans*-1,3-Cyclopentanediaminotetraacetic acid 220(1989)187

H.p.l.c.; Gravimetry; Anions; Orthogonal regression; Waters 220(1989)207

Potentiometry; Iodimetry 221(1989)341

Potentiometry; Liquid-propulsion system 222(1989)379

Potentiometry; Thermom. analysis; Computer program 222 (1989)385

Principal components; Spectrophotometry; Copper; Ethanolamine; Salicylate 223(1989)257

Piston burette; Sodium hydroxide; Calibration 223(1989)461

Potentiometry; Gran plot 225(1989)205

Flow system; Free acidity; Oil 225(1989)431

Potentiometry; Diquat; Ion-pair; Paraquat; Bisquaternary cation 226(1989)177

Piezoelectric crystal; Acid-base 229(1990)205

Spectrophotometry; Fibre optic; pH; Sensor; Acid-base 230 (1990)35

Piezoelectric crystal; Compleximetric, Precipitation 230(1990) 51

Conductometry; Humic acids; Polyelectrolytes 232(1990)141

Humic substances; Ion binding; Intrinsic affinity distributions 232(1990)189

Conductometry; Potentiometry; Phenolic acids; Triethylamine, Tetrabutylammonium hydroxide 234(1990)339

Amperometry; Polarography; Colloidal electrolytes; Dodecylquinolinium bromide; Potassium dichromate, Potassium hexacyanoferrate(III), Ammonium molybdate 236(1990)325

Potentiometry; Chromium; Steel; High-alloy, Reference method, Dissolution 236(1990)399

Boron preservatives; Wood; Collaborative studies; Statistical analysis; Quality control; Boric acid 236(1990)423

Coulometry; Ion-selective field-effect transistor; Migration effect; Modelling, Sensor-actuator, Diffusion, Simulation, Nernst-Planck equations 237(1990)71

Potentiometry; Oxygen; Superconductors; x in YBa₂Cu₃-O_{6.5+x} 237(1990)421

Ion exchange; Chromatography; Process analysis; Gas treatment; Sulphur; Thiols; Automated titrator 238(1990)161

Conductometry; Anions; Tetra-n-octylammonium fluoride; Long-chain quaternary ammonium fluorides 238(1990)389

Spectrophotometry; Oxalate; Hydrogen peroxide; Thallimetric photochemical oxidation 242(1991)229

Thiuram disulphides; Iodine-azide reaction, Induction coefficients, Dithiocarbamates 243(1991)201

Coulometry; Silver; Iron; Steel; Hydrogen sulphide 244(1991) 59

Potentiometry; Semiconductors; Gallium arsenide; Stoichiometry; Arsenic 244(1991)247

Potentiometry; Superconductors; Stoichiometry; Copper, Oxygen content, YBa₂Cu₃O_v 244(1991)253

Conductimetry/oscillometry; Iron; Piezoelectric detection; Dichromate, Permanganate, Redox 246(1991)421

Conductimetry/oscillometry; Piezoelectric detection; Iodimetry; Thiosulphate, Thiocyanate, Ascorbic acid, Linear extrapolation 246(1991)425

Algorithm; Copper complexes; Factor analysis; Multi-equilibria systems 248(1991)447

Potentiometry; Conductimetry/oscillometry; Mesoionic compounds; Photographic additives; Silver complexes; Triazolium thiolate complexes; Stability constants, Ostwald ripeners 248 (1991)603

Potentiometry; Hydrogen bonding; Schiff bases; Half-neutralization potentials, Perchloric acid titration 249(1991)427

Turbidimetry

Spectrophotometry; Lignin; Proteins; Wood 235(1990)299

Flow system; Bioprocess monitoring; Fermentation; Process analysis; Proteins; Pullulanase isoenzymes, Monoclonal antibodies 249(1991)113

Flow system; Spectrophotometry; Plant materials; Sulphur; Waters; Two-line manifold 249(1991)479



Voltammetry

see also Anodic stripping voltammetry, Cyclic voltammetry, Differential pulse voltammetry

Adenine; Adenosine; Cathodic and anodic stripping, Copper(I) compounds 201(1987)11

Extraction; Sea-water; Selenium; Differential-pulse cathodic stripping 201(1987)33

Speciation; Waters; Trace metal, Adsorptive stripping, Chelates of solochrome violet RS 201(1987)43

Chlordiazepoxide; Serum; Adsorptive stripping, Hanging mercury drop electrode 201(1987)275

Digital simulation; Probability theory; Theoretical analysis of response 201(1987)295

Oxyethylated alcohols; Tensammetry; Accumulation, Hanging mercury drop electrode 202(1987)85

Oxyethylated alcohols; Tensammetry; Accumulation, Hanging mercury drop electrode, Mixtures 202(1987)97

H.p.l.c.; Dacarbazine; Serum 202(1987)141

H.p.l.c.; Purines 202(1987)167

Anod. stripping voltammetry; Metal alloys; Trace metals; Second-harmonic phase-selective a.c. 204(1988)189

Aniline; Carbon-paste electrode, N-Alkylated derivatives, Adsorption/extraction 204(1988)201

Coulometry; Mercaptoethanol; Anodic behaviour 206(1988)65

Biological molecules; Organic donor-acceptor electrodes 206 (1988)75

H.p.l.c.; Foods; Disaccharides; Monosaccharides; Physiological fluids; Electrocatalytic chemically modified electrode 206 (1988)85

Titrimetry; Nitrating acids; Process industry 206(1988)137

Carbon paste electrodes; Phase-sensitive alternating current, Background current 206(1988)385

Glassy carbon electrodes; Review; Surface preparation 207 (1988)1

Organic micropollutants; Phospholipid-coated mercury electrodes; Waters 207(1988)47

Ion exchange; Mercury; Silver; Zeolite-containing carbonpaste electrodes; Preconcentration 207(1988)95

Cobalt; Plants; Adsorption stripping 207(1988)103

Iron pyrite; Sulphide minerals; Cationic surfactants 207(1988) 311

Selenium; Cathodic stripping, Adsorptive stripping 208(1988) 231

Platinum; Sea water; Cathodic stripping 211(1988)129

D.c. polarography; Diffl. pulse polarography; Uracil derivatives; Cathodic stripping 211(1988)155

H.p.l.c.; Flow system; Blood; Uracil derivatives; Urine; Differential pulse, Cathodic stripping 211(1988)175

Technetium; Glassy carbon, Tri-n-octylphosphine oxide, Differential-pulse, Cathodic stripping 211(1988)317

Titrimetry; Complexation in natural waters; Computer simulation of errors; Waters; Stripping 212(1988)1

Potentiometry; Carbon fibre electrodes; Hydrogen ion concentration 212(1988)23

Nitrite; Seawater; Waters; Cathodic stripping 212(1988)31

Raman spectrometry; Electrochemical mechanism elucidation; Real-time surface-enhanced, Linear-sweep 212(1988)201

Bovine serum albumin; Adsorptive stripping 212(1988)355

Chloroform; Cresol; Enzyme electrode; Waters 213(1988)113

Electromagnetic entrapment of biocatalyst; Enzyme electrode; Glucose; Magnetic beads 213(1988)121

Potentiometry; Flow system; Fluorimetry; Bioreactors; Yeasts; High-performance, On-line sensors 213(1988)199

Gas chromatography; Potentiometry; Microbial reaction rates; Sediment suspensions; Apparatus 213(1988)221

H.p.l.c.; Immunoassay; Aminophenyl phosphate substrate; Digoxin 214(1988)187

Catechol compounds; Stripping, Adsorptive accumulation 215(1988)29

Halides; Spinal fluid; Waters; Cathodic stripping 215(1988)307

Review; Steady-state 216(1989)177

Coumarins; Micellar and emulsified media 216(1989)231

Kinetic analysis; Metalloporphyrin modified glassy carbon electrodes; Urine 217(1989)343

Planar electrochemical microcell; Surface modification 219 (1989)45

Potentiometry; Computerised system; Nickel; Chronopotentiometric experiments 219(1989)105

Flow system; Alkali metal ions; Alkaline earth metal ions; Glassy carbon fibres 220(1989)269

Amperometry; Ion exchange; Nafion; Sensor; Low-conductivity solvent 221(1989)27

Autocatalytic effect; Nitrate; Water; Second-sweep cyclic voltammetry, Mercury drop electrode 221(1989)131

Coulometry; Spectrophotometry; Bicinchoninic acid; Protein 221(1989)223

Adsorptive collection; Sea water; Titanium; Cathodic stripping voltammetry 221(1989)269

Natural waters; Synergic adsorption; Uranium 221(1989)279

Microscopy; Iridium; Mercury film electrode 221(1989)305

Adsorptive collection; Sea water; Tin; Cathodic stripping voltammetry 222(1989)43

Alkaline earth metal ion; Alkali metal ion; Electrochemical pretreatment; Glassy carbon fibre 222(1989)127

Cyclic voltammetry; Kalman filter 223(1989)193

Triphenyltin acetate; Glassy carbon electrode 224(1989)97

Cadmium; Microcomputer 225(1989)391

Biological material; Nitric acid; Pressure decomposition 226 (1989)31

Cobalt; Surfactant; Mercury electrode 228(1990)55

Diphenylcarbazone; Mercury; Modified electrode 228(1990) 259

Sulphapyridine; Electrochemical oxidation, Graphite electrode 228(1990)273

Amperometry; Ascorbic acid; Multivitamin preparation; Composite electrode 229(1990)63

Benzodiazepine; Midazolam; Quality control; Adsorptive stripping 229(1990)145

Lead; Paint; Electro-oxidation, Surfactant 229(1990)291

Copper; Phenanthroline; Mercury electrode 230(1990)83

Adsorptive stripping; Ofloxacin; Pharmaceuticals 231(1990)129

Cathodic stripping; Selenium; Sea water; Waters; Copper 231(1990)221

Polarography; Phytoplankton bloom; Surface-active substances; Humic substances 232(1990)131

Waters; Sea water; Copper; Complexation, Organic ligands, Speciation, Detection window 232(1990)149

D.c. polarography; Fulvic acids; Metal-fulvic complexes; Complexants; Diffusion coefficient, Distribution function 232 (1990)209

Liquid chrom.; Flow system; Wall-jet detector; Rapid scan, Convection/diffusion-controlled, Diffusion-controlled 234 (1989)75

Flow system; Magnesium; Serum; Rapid scan square-wave, Thin-film deaerator, Dropping mercury electrode 234(1990) 161

Anod. stripping voltammetry; Platinum-iridium electrode; Mercury film, Cyclic voltammetry 234(1990)275

Diffl. pulse polarography; D.c. polarography; Potentiometry; Controlled potential electrolysis; Aziridinylquinones; Quinones; Bisaziridinylbis(ethoxycarbonylamino)benzoquinone; Diaziquone, Bioreductive alkylating quinones 234(1990)285

Hydrogen peroxide; Immobilized, Grape tissue, Catalase, Oxygen sensor, Enzyme reactor 234(1990)453

Waters; Copper; Speciation; Computer simulation; Conditional stability constant, Cathodic stripping, Sea water, Estuarine water, Freshwater, Complexation 235(1990)287

Nickel; Speciation; Air; Adsorptive stripping, Magnetic extraction 235(1990)457

Cobalt; Derivative adsorption 236(1990)453

Anod. stripping voltammetry; Electrochemical cell; Lead; Cadmium; Epinephrine; Cylindrical graphite fibre microelectrode, Square-wave 237(1990)127

Graphite electrodes; Phenols; Methoxyphenols; Polyvinylpyrrolidone coating, Anti-fouling 237(1990)141

Trace elements; Waters; Sea water; Lake water; In situ measurements, Copper, Lead, Cadmium, Zinc 237(1990)429

Milk 238(1990)357

Vanadium; Ores; Linear-sweep, 5-Br-PADAP complex 238 (1990)375

Cyclic voltammetry; Adsorptive stripping; Azinphos-methyl; Guthion; Waters 238(1990)383

Cathodic stripping; Ultramicroelectrodes; Fast scan, Mercury hemispherical electrode, Silver disk electrode, Copper amalgam film electrode 239(1990)35

Flow system; Spectrophotometry; Potentiometry; Detectors; Ion-sensitive field effect transistors; Impulse-response functions 239(1990)245

Diffl. pulse voltammetry; Oxazepam; Camazepam; Temazepam; Benzodiazepines; Human serum albumin, Adsorptive stripping voltammetry 244(1991)49

Autoprotolysis constant; Glass electrode; Acetonitrile; Standardization, Solvent composition, E.m.f. 244(1991)183

Flow system; Ion-sensitive field-effect transistors; Potassium; Serum; Urine; Wall-jet cell, Silicone-rubber membrane 245 (1991)159

Sea water; Titanium; Cathodic stripping, Chlorate catalysis 245(1991)167

Copper; Ethylenediamine; Sea water; Rotating mercury film electrode 245(1991)177

Histidine; Nickel; Speciation; Histidine complex, Aqueous ammonia 246(1991)301

Europium; Linear-sweep, Normal-pulse, Square-wave, 2-Thenoyltrifluoroacetone complexant 247(1991)89

Computer; Kinetics; Cadmium-EDTA 248(1991)77

Nitrite; Vitamin B₁₂; Waters 248(1991)109

Cyanide; Gold microband electrode 248(1991)173

Liquid chrom.; Extraction; Food dyes; Dynamic column solid-phase extraction 248(1991)289

Coulometry; Electrode reaction mechanisms; Expert system 248(1991)429

Biosensors; Catecholamines; Enzyme reactor; Indoleamines; Ion-selective electrodes; Monoamine oxidase, Ammonia, Rat liver 249(1991)71

Immunoassay; Cyclic voltammetry; Anti-HSA; HSA; Immunosensors; Polymer-modified electrodes; Polypyrrole 249 (1991)381

Cadmium; Iridium microelectrode; Lead; Trace metals; Waters; Mercury-plated iridium disc, Square-wave stripping voltammetry 249(1991)419

Amperometry; Flow system; Nafion-coated electrodes; Pharmaceuticals; Promethazine; Cations 249(1991)489

Sea water; Trace elements; Waters; Adsorptive deposition, Cathodic stripping 250(1991)265



X-ray fluorescence spectrometry

Catalysts; Platinum; Comparison 209(1988)185

Ion exchange; Coal ash; Leach liquors 220(1989)217

E.s.r.; Coprecipitation; Manganese; Pore water 222(1989)169

Principal components; Glass-making 225(1989)69

Germanium; Polyurethane foam; Extraction; Molybdogermanate 238(1990)423

Rare earth elements; Preconcentration; Quinolin-8-ol complexes, Activated carbon 242(1991)215

Gold; Geological samples; Extraction; Tributyl phosphate, Solid extractant 243(1991)81

Calibration; Neural networks; Genetic algorithm, Backward error propagation 247(1991)97

Mass spectrometry; Glassy carbon electrodes; Scanning electron microscopy; Surface analysis; Electrochemical modification, Solid-state characterization 248(1991)127

Kalman filter; Sulfur valence states; Peak resolution 248 (1991)257